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USAFETAC/DS-81/029

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# DATA PROCESSING BRANCH USAFETAC Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

MARTIN MARIETTA AIRFIELD MD N 39 20 W 76 25 FLD ELEV 24 FT

MTN

WBAN# 93744 WMO #

WM

PARTS A-F

POR FROM HOURLY OBS: AUG 70 - FEB 79
POR FROM DAILY OBS: AUG 70 - JUL 76

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WAYNE R. MCCOLLOM, Chief Lechnical Information Section

USAFETAC/TST

FOR THE COMMANDER

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REPORT DOCUMENTATION I	PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
	Z GOVT ACCESSION NO	
USAFETAC/DS-81/029		
4 TITLE (and Subtitio)		5 TYPE OF REPORT & PERIOD COVERED
Revised Uniform Summary of Surface Observations (RUSSWO)-	Weather	Final rept.
Martin Marietta Airfield MD		6 PERFORMING ONG REPORT NUMBER
7 AUTHOR(a)		8 CONTRACT OR GRANT NUMBER( )
PERFORMING OR ANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical A Scott AFB IL 62225	ppl. Center	10 PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
USAFETAC, CBD OFFICE NAME AND ADDRESS	**************************************	12 REPORT DATE
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17 DISTRIBUTION STATEMENT (of the abstract entered in	n Block 20, il dillerent troi	r Report)
18 SUPPLEMENTARY NOTES		
*RUSSWO Daily temperati	ures Atmo	spheric pressure
Snowfall Extreme snow d	epth Extr	eme surface winds
Climatology Sea-level pres	sure Psyc	hrometeric summary
Surface Winds Extreme temper Relative Humidity *Climatological	data	ing versus visibility (over)
This report is a six-part statisiti Martin Marietta Airfield MD &.	cal summary of s	urface weather observations for
It contains the following parts: (A (B) Precipitation, Snowfall and Snow (C) Surface winds; (D) Ceiling versus Summaries (daily maximum and minimum temperatures, psychrometric summary dry-bulb temperature, means and standard sta	) Weath <b>e</b> r Condít w Depth (daily a us Visibility; S m temperatures, of wet-bulb tem	ions; Atmospheric Phenomena; mounts and extreme values); ky Cover; (E) Psychrometric extreme maximum and minimum perature depression versus

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Percentage frenquency of distribution tables Dry-bulb temperature versus wet-bulb temperature Cumulative percentage frequency of distribution tables

Meryland Martin Marietta Airfield, MD

and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most bases in percentage frequency of occurance or cumulative percentage frequency of occuring tables.

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II S ATR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CHATER

### REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

#### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals,

#### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

#### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART & PRECIPITATION

SNOWFALL

SNOW DEPTH

PARTC SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV

(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

#### STANDARD 3. HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0≥00, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

#### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations,

January_	00 02, 01-07	APRIL (0.02, 03-0	лих <u>00-02, 03<b>-95</b></u>	остовек <u>(C-C2, C5-C</u>
FEBRU <b>A</b> RY		MAY "I	AUGUST	NOVEMBER
максн	H	JUNE	SEPTEMBER	DECEMBER

	ic on summary 3744	MARTIN-MARIETTA/MARYLAN	ΝD	N39	Σ 20	LONGITUDE W 76 25	STATION ELEV (FT	MTN	WMO NU	ABER
		STATION LOCAT	TION A	ND IN	STRU	JMENT	ATION H	ISTOR	Y	
UMBER OF CATION		GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LO	CATION TO	LATITUDE	LONGITUDE	ELEVATION A STATION (FT)	ROVE MSL TYPE BAHOMETER	OBS PER DAY
1	Martin M	arietta Airfield MD		Aug 70	Feb 79	N 39 20	W 76 25	24 ft	45 ft	15
	•									
MBER	DATE	SURFACE	WIND EQUIPMENT	MFORMALION		1			<u> </u>	
OF CATION	OF CHANGE	LOCATION		TPE OF	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS. ADDITIO	NAL EQUIPMENT, O	R REASON FOR C	HANGE
2	Aug 70 Feb 79	Located 500 ft from cent and 2400 ft from end of Same	erline and rnwy 14.	TMQ-15	RO-362					
SAFE	TAC FORM	0-19 (OL A)		ONTINUED ON RE	FERSE SIDE		***	nye-a -	<del></del>	

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US AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

### PART A

### WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

- 1. By month and annual, all hours and years combined.
- 2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less then .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drissle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drissle (glase) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 58 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Sunke and/or haze - Occurrences of smoke, have, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

A - 1

Blowing apray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WRATHER SERVICE/MAC

### **WEATHER CONDITIONS**

STATION STATION NAME YEARS MONTH	93744 STATION	MARTIN MARIETTA AIRFIELD MD	71-79	JAN
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### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CUNDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAn	00-02												
	03-05												
	06=0R		9,2	1.4	3.4		14.0	20.4	7.0			24.6	358
	09-11		۶ و ۶	.7	4.0		12.6	19.6	10.8			27.8	729
	12-14	,1	7,3	,7	4.1		11,7	14.4	11.2	.3		24.9	716
	15-17		8.3	.2	2,5		11.0	12.P	7.4	•3		18.9	647
	18=20		5,9	1.3	4.6	······································	11.2	9.1	3,0			11.4	525
	21-23		5,8	1.7	7.0		14,5	6.5	1."			7,7	414
TOTALS		ل و	7,6	.9	4.3		12.5	13.8	6,9	•1		19.2	3389

GLOBAL CLIMATOLUGY BRANCH USAFETAC AIR MEATHER SERVICEMMAC

### **WEATHER CONDITIONS**

93744 STATION	MARTIN MARTETTA AIRFIELD MP  STATION NAME	7 1-75 YEARS	FEB
JIAHOR	STATION TAME	TENNO	Menini

PERCENTAGE FREQUENCY OF DOCURRENCE OF WEATHER CONDITIONS FRE HOURLY DESERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	X OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEp	20-02												1
	03-05												2
	00=08		4.5	1.8	٦,9		10.1	18.2	11.9	.6		28.4	335
	09-11	•1	5,2	1.5	5.4		11.7	16.5	13,4	,3		26.9	673
	12-14		6,5	۰۰	4,0		11,2	11.4	11.6	.3		21.0	649
	15-17	•2	7,2	.7	4.1		11,5	11.2	8.9	.3		19.0	615
	18-20		7,7	1.7	5.9		14,9	13.2	8,6	.6		20.8	491
	21-23		R . 4	۰۰	7.8		16.5	13.7	5.8	. 9		16.5	395
TOTALS		ر•	4,9	, s	4.0		9,5	10.5	7.5	. 4		16.6	3161

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GLOBAL CLIMATGLORY BRANCH USAFETAC AIR FEATHER SERVICE/MAC

### **WEATHER CONDITIONS**

93744 STATION	MARTIN MARIETTA AIRFIELD MP	71-75	MAR
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### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DRSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF QB\$.
IIAK	00-02												2
	03-05					<del></del>					<del>,</del>		
	06=UR	.3	11,1	. 6	2.7		14,2	22.0	15.1	.3	· · · · · · · · · · · · · · · · · · ·	32.8	332
	09-11		13,2		2,2		14.9	16.7	14.1			28.2	045
	12-14	.3	12,1		2.1		13.6	15.0	9,3			22.4	634
	15-17	, 3	7,5	.2	.0		8,6	10.6	7.2			16.8	573
	18-20	.9	7,3		1.1		8.5	8.0	2.7			10.0	449
	21-23	.3	6,7		1.4		7.8	7.2	1.7			8.4	345
TOTALS		•3	è <b>.3</b>	•1	1,5		9.7	11.4	7.2	• 2		16.9	2980

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAG

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### **WEATHER CONDITIONS**

93744 MARTIN MARIETTA AIRFIELD MD 71-78 APR
STATION STATION NAME YEARS MONTH

PERCENTAGE FRENUENCY OF OCCURRENCE OF WEATHER CUNDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	POG	SMOKE AND/OR HAZE	SHOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OSS.
APK	00=02							····					1
<del> </del>	03=05						1						4
·	06=0ª	• 6	10,1		.3		10.1	8.9	10.4			17.8	338
	09-11	• 3	9,3				9,3	7.6	7,7			15.0	621
	12-14	• 3	9,4				9,4	7.4	3.7			11.0	618
	15-17	.5	6.6	.7			6.8	5.6	3.8			8.9	572
	18-20		5,6				7.0	5.3	3.5			7.9	456
	21-22	. 3	∂.9		.3	<del></del>	9,5	4,9	1.2			6.2	325
TOTALS		.3	6.4	•2	,1	, <u>.</u>	6.5	5.0	3.8			8.4	2935

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GLOBAL CLIMATOLOGY BRANCH USAFFTAC AIR WEATHER SERVICE/MAC

### **WEATHER CONDITIONS**

STATION STATION NAME YEARS	MONTH
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PERCENTAGE FREQUENCY OF SCOURRENCE OF WEATHER CONDITIONS FROM HOURLY USSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	PREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
ŀΑY	00-02						-				· 		2
	03-05												
	06-08	• 4	14,3				14.3	31.1	21.7			43.6	488
	09-11	• 3	11.5				11.5	18.0	18.3			33.1	635
	12-14	, 3	11.7				11.7	11.0	18.1			27.3	626
	15-17	1.3	12.8				12.3	8,9	15.6			22.8	539
	18-20	2,4	11,1			·····	11.1	8.8	16.4			23.2	452
	21-23	5	11,6				11.6	12.0	8,3			18.5	216
TOTALS		.7	10,4				10.4	12.B	14.1			24.1	2958

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GLOBAL CLIMATOLUGY DRANCH USAFETAC AIR WEATHER SERVICE/MAG

### **WEATHER CONDITIONS**

	JUN MONTH
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### PERCENTAGE FREQUENCY OF DOCURRENCE OF WEATHER CONDITIONS FROM HOURLY DISERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SHOW	DUST AND/OR SAND	X OF OBS WITH OBST TO VISION	YOTAL NO. OF OBS.
Jūv	00=02												1
	03-05												<u></u>
	06=65	•6	5.2				5,2	24.3	35.1			48.1	478
***************************************	09-11	. 3	5,9				5,9	10.9	33,3			39.1	624
	12-14	.5	4,4				4,4	3.9	30.6			32.4	618
	15-17	2.9	5,6				5,6	1.9	24.6			25.3	517
	16-20	2.5	8,0				8.0	3.7	21,6			25.3	435
	21-27	4.7	5,6				6,6	5.2	12.7			16.4	213
TOTALS													
IOIALS		1.6	5,1				5.1	7.1	22.6			26.7	2886

USAFETAC  $_{\rm MXY.64}^{\rm PORM}$  0-10-5(QL A), previous editions of this form are obsolete

GLOBAL CLIMATOLOGY 6PANCH USAFETAC AIR MEATHER SERVICE/MAC

### **WEATHER CONDITIONS**

93744 MARTIN MARTETTA AIRFIELD MD 71-70 JUL STATION STATION NAME YEARS MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM MOURLY UNSERVATIONS

MONTH	HOURS (£.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	POG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JU <b>L</b>	00-02												
	03-05							50.0	50.0			100.0	2
	06-0P	•6	5,1				5,1	27.3	42.1			52.8	487
	09-11	•3	5,3				5,3	8,5	41.3			45.8	627
	12-14	.8	4,1				4.1	3.4	40.4			41.9	616
	15-17	2.3	0,3				6,3	2.5	38,3			39.R	525
	18-20	4.1	6.9				6,9	5.7	34.6			37.1	437
	21-23	2.8	6.9				6,9	6.9	25,3			28,1	217
										:			
						<u>_</u>							
TOTALS		1.6	4.9				4,9	14.9	38.9			49.4	2911

GLOBAL CLIMATOLUGY SPANCH USAFETAC AIR MEATHER SERVICE/MAC

5.4 4.4

### **WEATHER CONDITIONS**

93744 STATION	HARTIN MANTETTA AIRFIELD M	7.0 = 7 b	AUG
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### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DESERVATIONS

монтн	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	X OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
AUG.	00=02												
	03-05								50.0			50.0	4
	05=UR		2,2				2,2	35.1	50.1			64.7	587
	09-11	•1	3,1				3,1	10.2	50.9			53.7	738
	12-14	1.2	3,6				3,6	4.4	43.7		:	45.4	721
	15-17	3.1	5.4				6.4	4.2	39.4			42.1	642
	18=20	4.0	9,1				9,1	5.6	34.7			38.2	519
	21-23	4,5	9,4				9,4	7,9	27.0			30.3	267
<del></del>													<del></del>
TOTALS		1.8	4,8				4,8	9.6	42.3			46.3	3478

USAPETAC ROBAL 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLUGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

### **WEATHER CONDITIONS**

93744 N	MARTIN MARTETTA AIRFIELD MD	7.0-7.8 YEARS	SEP MONTH
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### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY URSERVATIONS

HTHOM	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
SEP	00-02						ļ						<del></del>
	03-05		100.0				100.0	100.0				100.0	1
	06=08	,9	8.9				8,9	33.0	35.5			55.6	561
	09-11	• 3	6,9				6,9	12.3	35.9			43.4	708
	12-14	• 3	5,2				5,2	6.0	28,6			33.0	697
	15-17	1.8	5,7				5,7	2.8	25.2			27.0	599
	18-20	1.2	5,1				6,1	4.1	21.2			23.7	510
<del></del>	21-23	<u>.</u> p	5,4				5,4	7,7	12,6			18.4	261
TOTALS		, 5	19.7				19.7	23.7	22.7			43.0	3337

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GLOBAL CLIMATOLUSY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

### **WEATHER CONDITIONS**

93744 STATION	MARTIN MAKIETTA AIRFIELO MO	70-78 YEARS	UC T

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	PREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
CCT	00-02												
	03-05						<u> </u>						3
	06-08		9,1				9,1	32.9	15.2			40.2	560
	09-11		9,8				9,8	16.8	22.4			35.7	736
	12-14		8,3		.1		9,3	8.9	16.8			24.1	721
	15-17	•2	7,0				7,0	5.9	10.6			16.5	630
	18-20		6,8		, 2		7.0	5,5	6.2			11.8	544
	21-23	• 7	8,9				8,9	8.5	5,3		<del></del>	12.8	282
TOTALS		•1	7,1		•0		7,2	11.2	10.9			20.2	3476

USAFETAC  $\frac{\text{FORM}}{\text{PRY 64}}$  0-10-5(QL A), Previous editions of this form are obsolete

GLOBAL CLIMATDLUCY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

### **WEATHER CONDITIONS**

	MARTIN MARIETTA AIRFIELD MD	70-78	NDV
STATION	STATION NAME	YEARS	MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM MOURLY ORSERVATIONS

MONTH	HOURS (L S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	<b>FO</b> G	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
unv	00-02							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					1
	03-05		· 				ļ				<u></u>		
	06-08		8.2	.3	•9		9,4	30.8	16.6			37.8	331
	09-11		7,9	,3	,7		8,7	19.0	17.0			32.3	699
	12-14		9,2		.4		9,5	15.3	11.6			24.3	692
<del></del>	15-17		9,5		,6		9,6	11.5	12.0			22.7	633
	18-20	• 4	11.6		. 5	,	12.0	12.4	4,9			16.7	491
	21-23		10.6		• 2		10.9	14,6	3,0			16.8	405
TOTALS		.1	8.1	.1	, 5		8.6	14.8	9.3			21.5	3252

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR REATHER SERVICE/MAC

### **WEATHER CONDITIONS**

DEC MONTH MARTIN MARIETTA AIRFIELD MO 93744 STATION 70-76

PERCENTAGE FREQUENCY OF DCC RRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

HTHOM	HOURS (L S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	\$MOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF ORS.
JEC	00-02												
	03-05						ļ						1
- <u>-</u>	06=UP		11.7		,9	<del></del>	12.7	17.7	9.2			23.1	316
	09-11		11,2	.2	٠٧		12,3	14.3	12,5			24.0	658
··········	12-14		10.4		1.2		11,5	12.6	10.7			20.5	644
	15-17		11,5		7		12.1	11.3	9.1			19.1	593
	15-20		10,9		1.0		11.7	9,3	2.1			11.3	486
	21-23		13,1		2,3	<u> </u>	15,4	10.4	2,3			12.6	396
TOTALS			9.8	.0	1.0		10.8	10.8	6.6			15.8	3094

USAFETAC  $^{\text{POBM}}_{\text{AUY 64}}$  0-10-5(QL A), meyious editions of this form are obsolete

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

### **WEATHER CONDITIONS**

93744 STATION MARTIN MARTETTA AIR IELU MO

70-79

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DASERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING FAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OSS.
JA,	ALL	•0	7,6	• 4	4.3		12,5	13.8	6,9	.1		19.2	3389
FEb		.0	4,9	я	4•0		9,5	10.5	7,5	.4		16.6	3161
нАк		, 3	8,3	.1	1.5	··	9,7	11.4	7.2	.0		16.9	2980
APh		• 3	6.4	. 2	, 1		6,5	5.0	3,8			8.4	2935
IAY		.7	10,4				10,4	12.8	14,1			24.1	2958
JUN		1.6	5,1				5.1	7.1	22.6			26.7	2886
JUL		1.6	4.9				4,9	14.9	38,9			49.4	2911
AUG		1.6	4,6				4.8	9.6	42.3			46.3	3478
SEF		. 8	19.7				19.7	23.7	22,7			43.0	3337
DCT		.1	7.1		•0		7,2	11.2	10.9			20.2	3476
1,07		.1	8.1	•1	.5		8,6	14.8	9,3			21.5	3252
DEC			9,8	.0	1.0		10.8	10.8	6,6			15.8	3094
TOTALS		.6	8.1	.2	1.0		9.1	12.1	16.1	•0		25.7	37857

USAFETAC  $^{\text{PORM}}_{\text{JULY 64}}$  0-10-5(QL, A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### PART A

### ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "\$ OF OBS WITH PRECIP" and "\$ OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949.

Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

93744 STATION MARTIN MARTETTA AIRFIELD MO

70-70

YEARS

ALL

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DATLY OBSERVATIONS

MONTH	HOURS (L S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	POG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JAN	DAILY	.7	26.3	2.6	14.5		32,9	30.3	32.2			41.4	152
FEB		2.8	32,6	5.0	16.3		38.3	30.5	28,4			45.4	141
MAR		3,3	32,7	. 7	6.5		35,9	30.7	30.1	.7		41.2	153
APR		5.3	33,3	1.3	2.0		33,3	20.0	22.7			32.7	150
MAY		12.6	45.0			• 7	45,0	35.1	38,4			51.7	151
JUN	ļ <u>.</u>	14.9	33,1			• 7	33,1	33.1	60.1			65.5	148
JUL		14.3	31,0			• 6	31.0	33.9	63,1			64.3	168
AUG		11.7	26,6			• 5	26.6	39.6	66,9			68.2	154
SEP		P.2	29,3				29,3	38.8	56.5			61.2	147
nct		.7	28.8		, 7		28.8	44.4	51.6			57.5	153
NUV		2.1	31.5		4.2		32.2	27.3	33.6			39.9	143
DEC			35.8		<sup>8</sup> •2		39,6	29.9	28.4			39.6	134
TOTALS		6.4	32.2	. 8	4.4	• 2	33.8	32.8	42.7	•1		50.7	1794

USAFETAC POBM 0-10-5(QL  $\Delta$ ), previous suitions of this pobm are obsolete

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### PART B

### PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight guantities derived from daily observations as follows:

- "1. The first set presents, in three tables, the purposited frequency of various faily ensures of Vancintation SHOWPALL, and SHOW DEFTH. The daily amount suchedy is prepared by mach and admini, all years contined, and includes percent of days with measurable engulis; percent of days having some, traces, and given amounts; and meass, greatest and least mouthly amounts: (The last three statistics are emitted from the enew depth summary because of their doubtful and limited value.) A total sound of valid observations is given for months and namual. Stations are included in which a parties or all of the period may contain mouths with missing days. This will be meted at the summary pages. A percent value of ".0" in those daily amount tables indicates less than .05 percent which is usually only one pecuaryones.
- "2. The second set of three tables presents the agivent faily growing, by individual year and menth, of PRECIPITATION, SHOWFALL, and SHOW DEFFN for the delive period of record smallable. Also provided are the means and standard deviations for each menth and growed (all menths) and the total valid observation count. An asteriok (\*) is printed in any year-menth block when the entropy value is based on an incomplete menth (at least one day missing for the menth). When a menth has valid observations reported but no occurrences, zeros are given in the tables as fellows:

EXTREMS DAILY PRECIPERATION

".00" equals more for the month (bundredthe)

EXTENDE DATLY SHOWPALL

".0" equals none for the month (tenths)

EXTENSE DAILY SHOW DEFENDING

"O" couple none for the month (thele inches)

3. The third set of two tables provides the total monthly angusts of PRECEPTRATION and SHEWALL for each year-menth and annual. Also prepared are the month, Standard deviations, and total number of valid electrostical for each month and annual (all months). An esterist (\*) is printed in each data block if one or more days are missing for the month. No eccurrents, for a month are indicated in the same manner as in the entrume, tables above. If a trace becomes the extreme or monthly total in any of those tables it is printed as "TRACE."

Continued on Reverse Side

Malue - m meing in standard deviations do not include measurements from incomplete months.

Charles of the second of the s

- (1) The above studies may also be prepared for stations operating for less than full menths for portions or all of the period of recept, this may include stations operating 5 or 6 days a week and those with only random days highlight in esterick (\*) in the data blocks will give an indication that a month is incomplete. These refer to Station History at fresh of book and observation counts in each summary to stribute the amounts of data missing.
- (2) Eatl was included in encutall ecourrences in the summary of day observations prior to Jan 96, but these occurrences have been removed from encutall entergory and counted as Sail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the partial evallable from 8. S. operated stations. The hours used by each service for each partial are as follows:

### Air Force Steblons:

Beginning thru 1945 Jan 66-May 47 Jun 57-present

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*:* :

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U. S. Norr and Makissal Vestber Service (UNA)

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GLOSAL CLIMATOLOSY BRANCH USAFETAC ATR. NEATHER SERVICE/MAC

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### **DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF PRECIPITATION (FROM DAILY OBSERVATIONS)

MARTIN MARIETTA AIRPIELD MO 93744 STATION 70-76

						AM	III) ETHUC	HCHES)						PERCENT		MONT	HLY AMO	UNTS
PMC#.	NOHE	TRACE	<b>Q1</b>	02 05	04 10	11 25	26- 50	51-1 00	1 01-2 50	2 51 5.00	5 01 10 00	10 01-20 00	OVER 20 00	OF DAYS	TOTAL NO		(INCHES)	
MOWPALL	NONE	TRACE	01-04	0514	1524	2534	3 5-4 4	4564	6 5 10 4	10 5 15 4	15 3 25 4	25 5-50 4	OVER 50 4	MEASUR- ABLE	OF OSS.	MEAN	GMEATEST	LEAST
SHOW DEPTH	NONE	TRACE	ı	,	3	4.6	7-12	13-24	25 36	37-44	47 60	61 120	OVER 130	AMTS			OHER (G)	
MAL	53.3	4.6	1.3	7.9	5.3	10.5	7.9	6.6	2.0	.7				42.1	152	.00	6.66	2.60
PES	46.1	7.2	5.7	5.4	7.1	12,1	3.5	7,8	2.1					44,7	141	.00	5,35	1.04
MAR	51.6	5,9	3.3	7,8	5,7	7,8	8,5	6.5	.7					42.5	153	.00	3,74	1.07
APR	56.0	4,7	3.3	4,7	4.0	6,7	8.0	7,3	3.3					39.3	350	.00	4+47	1.51
MAY	40.4	10.6	.7	11.3	4.6	4,6	11.3	8.6	4.0					49.0	151	.00	3.81	2,41
JUN	49.3	7.4	1.4	9,5	4.7	4.1	7.4	10.1	5.4		.7			43,2	148	.00	10,93	3, 35
, JUL	54.2	3,6	3.0	10,7	4,2	1,9	4,8	5,4	3,6	1,8				42.3	168	.00	10,16	2,01
AUG	61.0	5.2	3,7	5.2	5.8	4,5	4.5	7.8	.6	, 6				33,6	154	.00	3,67	1,44
SEP	56.5	5.4	4.6	٥, ٥	3,4	5.4	4.8	4.8	7.5	,7				38,1	147	.00	9,74	,01
ост	66.0	3,3	1.3	9,2	7.8	3,3	.7	4.6	3,9					30.7	153	.00	6,19	1,61
NOV	59.4	4.2	.7	4.9	9.1	7.0	4.2	5.6	4.9					36,4	143	.00	7,01	1.37
DEC	50.7	7,5	3.7	7.5	5.2	7.0	6.0	3.7	6.7					41,8	134	.00	4.31	1.29
AHNUAL	53.7	6.0	2.8	7.7	5.6	7.5	6.0	6,7	3.7	, 3	.1			40.3	1794	.00	$\times$	$\times$

1210 WS JUL 44 0-15-5 (OLI)

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PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

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### **DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF SNOWFRALL.
(FROM DAILY OBSERVATIONS)

92744 MATION HARTIN HARBETTA ALBESELD MP

70-76

YEARS

						AM	OUNTS (II	NCHES)						PERCENT			HLY AMO	UNTS
PRECIP	NONE	WACE	61	02 08	94-10	11 25	26 50	\$1.1 00	1 01-2 50	2 51-5 00	\$ 01 10 00	10 01 20 00	OV 88 30 00	OF DAYS	TOTAL NO.		(INCHES)	
NOWFALL	NONE	PACE	01-04	0514	1.5-2.4	2534	3.544	4544	6 5-10 4	10 \$-15 4	15 5-25 4	28 5-30 4	OVER 50.4	MEASUR-	OF 085.	MEAN	GREATEST	LEAST
SHOW- DEPTH	NONE	MACE	١	7	3	4.6	7-12	13 24	28-34	37 48	49-60	61-120	OVER 120	AMTS				
JAN	94.2	11.4	. 7	1 , 2	.7		.7	,7						3,9	192	.0	6,0	7
fee	79,4	12.1	, 7	4 4 2	1,4			2 - 1						0,5	341	•0	11,0	, avê
MAR	92.2	3,1	1.4	1,2	١,,,									3,9	791	,0	9.3	1
APR	96.7	1,1													350	TRACE	Trace	,
MAY	100.0														191	,0	.0	1
NUL	190.q														} <b></b>	.0	•0	,
JUL	190.0								,s:						} <b>4</b>	.0	•0	
AUG	100,0														3.54	.0	.0	
SEP	100.0														149	•0	• 0	,
ОСТ	99.2	,1													181	TOACE	Yraçı	!
NOV	95.8	4,2													}48	TRAGE	TRACE	
DEC	91.8	5,2	, 7	, 1	• ?		.7							3,0	134	.0	<i>i</i> <b>4,</b> 0	1
ANNUAL	95.1	3,3	.1	,4	.3		.1	,1						1,4	1794	.0	$\times$	$\times$

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PREVIOUS EDITIONS OF THIS FORM ARE OSSOLET

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### **DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF SHOW INTELLIGIES (FROM DAILY OBSERVATIONS)

						AM	DUNTS (II	NCHES)						PERCENT		MON	THLY AMO	UNTS
Mecia	NONE	MACE	01	.02 05	04-10	11 25	26- 30	51 1 00	1 01-2 50	2 5' 5 00	\$ 01-10 00	10 01-20.00	OV SR 20.00		TOTAL NO.		(INCHES)	
MOWFALL	NOM	TRACE	0104	0 5-1 4	1 5-2.4	2534	3 3 4.4	4.5-6-4	6.5-10 4	10.5-13.4	15 5 25.4	25 5-50 4	OV98 59.4	MEASUR-	OF O88.	MEAN	GMEATEST	LEAST
SHOW- DEPTH	NONE	TRACE	1	,	3	4-6	7 12	13-24	25-36	37 48	49-40	61-120	OVER 130	AMTS				
JAN	78,9	15.1	3,4		e7	1.9								5,9	172			
788	05.1	*,5	ž•1	2 - 3	1+4		.7							5+4	141			, e
MAR	<b>36</b> 77	2.0	.7	, 7										1.3	158			
APR	<b>90.</b> 0														150			
MAY	100,0														151			
NUK	190.0														148			
JUL	100.0														168			
AUG	.00.0														154			
SEP	100.0														147			
oct	100.0														153			
HOY	90.0														149			
DEC	95.5	242	.7	1.5										545	134			
AMNUAL	96.3	2+3	,6	••	\$.	.)	.1							1,3	1794		$\times$	$\searrow$

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U S,AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

### PART C

### SURFACE WINDS

Sugare 1

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Heans and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VERL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual all hours combined, (2) By month all hours combined, and (3) By month by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INTERNATE CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

MOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

GLOBAL CLIMATULORY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

358

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MART	IN MAR	TETTA A	IRFIEL	חא ם.	<del></del>	71-	79		rea la				AN
	•••				ALL WE	ATHER						0600	-0800
	-					DITION							
SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 · 27	36 - 33	34 - 40	41 - 47	40 - 85	ž#	*	MEAN WIND SPEED
N	2.2	1.4	1.1								H 10 P 10 L 2 L 2 L 2 L 2 L 2 L 2 L 2 L 2 L 2 L	4.7	4.6
NNE	1.1	1,4	1.7				<del>*</del>					4.2	5.3
NE	.3	1.7	•6									2.5	5.3
ENE	• 3	.6	2.2	•6	.3		····					3,9	9.0
	.6	1.7	•6	•6							·····	3.4	6.5
ESE		.3	• 3									•6	7.0
SE	•3	1.4										1.7	4.7
SSE	.6	.6	<u></u>									1.1	4.0
\$	•6	.6	•6	ڌ و								2.0	5.7
15W	. 3	. 8	• 3									1.4	4.6
\$W	1.1	1.1	1.4		.3							3.9	6.4
W\$W	1.4	1,4	,6	•6	, 3	. 3						4.5	7.8
W		3.9	6.7	2.2	•6							13.4	8.7
WNW	,6	1.1	4,5	3,6	,3							10.1	9.5
NW	3.1	5.0	3.6	2.0	•6							14.2	7.2
NNW	2.2		2.0	• 3								5.9	5.9
VARBL													
CALM	$\triangleright \!$	$\supset \!$	$\times$	$>\!\!<$	$\times$	$\times$	$>\!\!<$	$\ge $	$\triangleright <$	$\supset <$	><	22.6	
	14.5	24.3	26.0	10.1	2.2	. 3						100.0	5,6

GLOBAL CLIMATOLOGY ERANCH USAFETAC AIR WEATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744 SYATION	MARTIN MARJETTA AIRFIELD MP	71-79		JAN
STATION	STATION NAME		YEARS	менти
	AL	L WEATHER		1200-1400
		CLA99		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥.54	*	MEAN WIND SPEED
N	. 8	1.1	1.3	1.1								4.3	7.8
NNE	.6	1.0	•6	• 4								2.5	6.7
NE	• 6	1,4	1.4	•6								3,9	6.9
ENE	.1	2.0	1.1	•1								3.4	6.5
ŧ	.6	2.0	• 1	• 1								2.8	5.1
ESE	• 4	1.7	1.4		_,3							3.8	7.0
SE	.8	3.1	2.4									6.3	5.9
SSE	,4	2.8	2.1	• 4								3.7	6.8
\$	. 8	1.3	1.3	• 4								3.8	6.6
SSW	.4	1.0	1,5	• 3								3.2	7.0
\$W	.3	1.1	2,2	.3								3.9	7.5
wsw	.3	,7	2.1	• 3	,6							3.9	9.9
w	,3	1.3	5.7	4.2	1.8	. 3						13.5	11.8
WNW	1	1.5	6.7	6.4	. 8							15.6	11.3
NW	.6	1.7	4.9	4,1	. 5	. 3						12.3	10.8
NNW	. 3	1.1	2.4	1.8	1							5.7	9,7
VARBL													
CALM	><	$>\!\!<$	$\times$	$>\!\!<$	$>\!\!<$	$\times$	$\times$	$\geq \leq$	$\geq \!$	$\geq \leq$	$\geq$	5.3	
	7.4	24.6	37.2	20.5	4.5	-6						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 716

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

1

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARTETTA AIRFIELD MO	71-79		JA,v
STATION	STATION NAME		YSARS	NYHOM
	AL	L WEATHER		1500-1700
		CLAM		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	5#	*	MEAN WIND SPEED
N	• 5	1.4	1.7	• 0								4.6	7.
NNE	.3	. 3	•6	•6								1.9	8.
NE	.3	1,1	, 9	. 3								2.6	6.
ENE	.3	1.9	9	• 3			T					3.4	6.
E î	1.7	2,5	.5		• 2							4.8	4.
ESE	1.4	2.0	1.1	• 2								4.6	5.
SE	1.7	2.5	• 9									5.3	4.
5SE	.91	2.2	2.0								l	5.7	6.
s	.3	2.0	2.5	• 2								4.9	7.
SSW	. 3	.6										1.9	6.
SW	.3	ى ق	. 8	• 2								2.0	6.
WSW	. 2	• 6	1.7	. 3	.2							2.9	8.
w	.2	1.2	5.6	5.6	1.5	ذ و	• 2					14.5	12.
WNW	. 3	. 5	6.3	6.5	1.1							15.3	11.
NW	. 2	1.4	7.3	2.0	1.1							12.5	10.
NNW	.2	1.5	3.7	1.1								6.5	8.
VARBL	1							<u> </u>					
CALM	$\supset \subset$	$\times$	$\times$	$\times$	$\times$	$\times$	$\boxtimes$	$\times$	>	><	$\geq$	6.5	
	9.3	22.9	38.0	18.9	4.0	.3	2					100.0	8.

TOTAL NUMBER OF OBSERVATIONS

647

GLÜBAL CLIMATÜLÜCY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARTETTA AIRFIELD MO	71-79	JAI4
STATION	STATION NAME	YEARS	NYMON
	ALL 1	WFATHER	1800-2000
		EMM	HOURS (L S T.)
		COMBITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥#	*	MEAN WIND SPEED
N	1.0	2.5	1.0									4.4	5.
NNE	• 2	. 8	1,1	•2	. 4							2.7	9.
NE	8.	.4	• 2									1.3	4.
ENE	8.	1.1	•8	•6								3.2	6.
	.6	1.5	1.0									3.1	5.
ese	1.0	1.5	•2									2.7	4.
SE	.4	.4	, 2			······································						1.0	4.
SSE	.4	2.5	1.3									4.2	5.
\$	.6	4.2	1.3	• 4								6.5	6.
55W	.6	. 8	. 8									2.1	5.
SW	.2	• 5	.4									1.1	5,
WSW	.2	1.5	2.1	• 8								4.6	3.
W	.4	3.2	7.3	1.9	1.5	.2						14.5	9.
WNW	1.1	2.7	7.6	4.8	1.1	. 2	• 2					17.7	10.
NW	1.3	1.5	4.8	2.1	.4	. 2						10.3	9,
WNW	1.9	1.1	.8	• 0	.4							4.8	6.
VARBL													
CALM	$>\!\!<$	$>\!\!<$	> <	> <	> <	> <	$\supset \subset$	$\supset <$	$\supset \subset$	$\supset <$	> <	15.8	
	11.3	26.3	30.7	11.3	3.8		• 2					100.0	6.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC  $_{
m JUL~64}^{
m FORM}$  Q-8-5 (QL-A) previous editions of this form are obsolete

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARTETTA AIRFIELD MD	71+79	JAN		
STATION	STATION NAME	YEARS	MONTH		
	AL L	WEATHER	2100-230		
		CLASO	HOURS (L S.Y.)		
		COMBITION			

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - \$5	≥54	*	MEAN WIND SPEED
N	1.2	1.0	, 5									2.7	3.6
NNE	,7	1.7	. 5	•7								3.6	6.6
NE	.2	•7	, 5		. 2							1.7	7.0
ENE	.5	1.0	• 7									2.2	5.6
ŧ	.7	1.2	•7	•2								2.9	5.6
ESE	.5	1.4	•7						· · · · · · · · · · · · · · · · · · ·			2.7	6.2
SE	•7	.5	• 2				ļ	<u> </u>		!		1.4	4.7
SSE	.7	1.2	• 5				1					2.4	4.
8	.7	2.2	1.2	1.2	• 2	-	ļ	<u> </u>	İ			5.6	7.9
SSW	. 5	1.0										1.4	4.0
SW			,5									.5	7.:
W\$W		1.0	.5	• 2								1.7	7.3
w		3.4	7.7	2.9	1.4							15.5	10.3
WNW	•5	3,6	9.7	5.6	1.2							20.5	10.3
NW	.7	3.9	2.9	2.2	,5	.2						10.4	8.7
WMM		1.0	•2	. 5	.2							1.9	9.6
VARBL							<b>†</b>	1					
CALM	$\searrow$	$\times$	$\times$	$\times$	> <	> <	$\supset$	>	$\supset$	$\times$	> <	22.9	
	7.7	24.6	27.1	13.5	3.9	2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 414

GLOBAL CLIMATULOGY BRANCH USAFETAC AIR JEATHER SERVICE/MAC

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY GASERVATIONS)

93744	MARTIN MAKTETTA AIRFIELD MO	71-79	JAH
STATION	STATION HANK	YEARS	MONTH
	ALL	WEATHER	ALL
		ELAM	HOURS (L.S.Y.)
		COMPLETION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - \$5	≥54	*	MEAN WIND SPEED
×	1.1	1.5	1.5	• 4								4.5	6.4
NNE	. 5	1.1	.9	•4	• 1							2.9	6.9
NE	.5	1.2	• 9	50	•0							2.8	6.2
ENE	.5	1.7	1.2	• 3	• 1							3.7	6.6
e .	• 5	1.7	.5	•2	•0							3.3	5.4
ESE	•6	1.5	.7	• 0	.1							2.9	5.6
SE	•7	1.6	8,								1	3.2	5.2
322	•6	1.7	1.3	• 1								3.7	6.2
S	.8	2.0	1.3	• 4	.0							4.6	6.5
SSW	.5	1.0	. 8	•1	.0		İ				1	2.4	5.9
sw	.4	. 9	1.1	•2	٠,							2.7	6.6
wsw	.5	1.2	1.7	•4	.2	•1				<b> </b>		4.0	8.3
w	,2	2.1	6.1	3.6	1.4	•1	•0					13.8	10.9
WNW	.5	2.1	6.7	4.9	. 9	ل و	.0					15.2	10.6
NW	.9	2,3	4.9	3.0	•6	•1						12.0	9.6
NNW	. 9	1.3	2.1	1.2	.1							5.6	8.1
VARBL	1											1	
CALM	$\times$	> <	$\times$	$\geq <$	$\times$	$\geq \leq$	$\geq$	$\geq$	$\geq$	$\geq$	$\times$	12.7	
	10.1	25.0	32.4	15.6	3.7	. 4	- 1					100.0	7,3

TOTAL NUMBER OF OIL SEVATIONS 3388

GLOBAL CLIMATULDRY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

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# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MO	71•79	FEB
STATION	STATION NAME	YEARS	HONTH
	ALL WE	FATHER	0600-0800
	•	USS .	HOURS (L.S.T.)
		INTERNAL CONTRACTOR OF THE PROPERTY OF THE PRO	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥\$4	*	MEAN WIND SPEED
N	, 4	3,3	1.2	. 9	.3	• 3						6.9	7.8
NNE	• 6	2.7	2.7									6.0	6.3
NE	1.8	1.2	. 9	• 3								4.2	5.6
ENE	.3	3.0	2.1		.3			1				5.7	7.2
ŧ	.6	1,5	. 3						1			2.4	4.8
ESE	•3	.3	• 3									.9	5.0
\$E		.3	• 6							1		.9	7.3
SSE	.9											.9	1.3
3	1.5	1.2	•6	• 3								3.6	5.0
SSW	1.2	•6										1.8	3.2
sw	. 3	.9	• 3									1.5	4.8
WSW	.6	1.2	.9	•3								3.0	6.7
w	.3	3.0	3.0	1.0	.3							8.4	8.4
WNW	2,4	2.7	7,2	1.5								13.7	7.5
NW	, 9	3.0	3.6	1.5	.6	. 3						10.4	8.6
NNW	2.4	2,4	2.7	• 3	, 3							8.1	6.0
VARBL										1			
CALM	$\times$	$\times$	> <	$\times$	> <	$\supset \subset$	$\times$	$\geq$	$\geq$		$\times$	21.8	
	14.9	27.8	26.3	6.9	1.8							100.0	5.4

TOTAL NUMBER OF CASESVATIONS

33

GLOBAL CLIMATOLUCY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MD	71-79	FEB
STATION	STATION NAME	YEARS	Menth
	ALL	WEATHER	0900-1100
		CLAM	HOURS (L.S.T.)
		COMPITION	

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥84	*	MEAN WIND SPEED
N	.3	1.3	3.9	1.6	•1							7.3	9.0
NNE	.4	1.0	1,9	•1								4.2	6.8
NE	. 3	1.9	2.2	• 7								5.2	7.5
ENE	• 6	3.3	1.2	• 6								5.6	6.4
ŧ	6.9	1.6	1.0	• 3		• 3						4.2	7.4
ESE	•6	2.7	• 3									3.6	4.9
SE	.6	1.2	• 7	• 3								2.8	6.5
SSE	, 9	1.5	1.0									3.4	5.3
5	. 9	2,4	. 9	•	. 1	. 1						4.6	6.7
SSW	,7	2,2	•6	• 3								3.9	5.7
\$W	.4	1,3	, 9	• 3								3.0	6.3
WSW		1.8	1.8	• 7		• 1						4.5	8.5
w	• 1	1.9	3,1	2.7	. 4	•1						8.5	10.1
WNW	• 1	1.3	6.1	3.1	.6							11.3	10.2
NW	. 3	1.9	5.3	3,9	1.3	. 3						13.1	10.9
NNW	.3	•7	2.8	1.5	,1							5.8	9.4
VARBL													
CALM	><	$\geq \leq$	> <	> <	$\geq \leq$	$\times$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	9.2	
	7.6	28.8	33.9	16.0	2.8	1.0						100.0	7.6

TOTAL N MASER OF OBSERVATIONS 673

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744 STATION	MAPTIN MARTETTA AIRFIELD ND	71+79	FEB
STATION	STATION NAME	YEARS	MONTA
	ALL	WEATHER	1200-1400
		CLASE CLASE	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 27	28 - 33	34 - 40	41 - 47	48 - 55	≥34	*	MEAN WIND SPEED
N	•2	1.1	2.0	1.5	• 2							3.5	9.4
NNE		1.5	. 6	• 3								2.6	7.1
NE	• 2	. 8	2.0	• 5								3,4	8.2
ENE	٤.	1.4	2.3	٤.								4.3	7.5
E	• 5	2.3	1.2									4.0	5.6
ESE	.6	2.5	1.4									4.5	5.7
SE	. 0	3.5	4.6						T		1	8.9	6.6
SSE	• 3	3,4	2.8	1.2					1	1		7.7	7.7
s	• 3	2.0	2,6	1.2	, 3	• 2	1			1		6.6	9.0
SSW	. 3	, 5	.3	• 2								1.2	6.5
sw	• 2	9	. 8	•3				<u> </u>	1	1		2.2	7.5
wsw	. 2	• 2	2.2	• 6				<del> </del>			1	3.1	9.5
w		2,2	2.8	4.2	1.2				1		<del></del>	10.3	11.2
WNW	.3	. 8	4,9	5,2	. 9				1	1	1	12.2	11.4
NW	.2	.6	5.4	4.9	2,2			1		1		13.3	12.0
NNW	.3	1.5	2.6	2.5	,3			1	1		<del></del>	7.2	10.0
VARBL									ļ	1	<u> </u>		
CALM	$\times$	$\times$	$\times$	$\times$	> <	> <	$\geq$	$\boxtimes$	$\geq$	$\geq$	$\boxtimes$	2.9	
	4.5	25.1	39.3	23.0	5.1	.2						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATGLOCY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

NW NNW VARBL

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# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

<u>M</u>	ARTIN	NAKT	ETTA A		OM U		71-	79		PEA B 6				EB
			•			ALL WE	ATHER							-1700
					······································		A99							(L.S.T.)
		_		<del></del>	<del></del>	CON	DITION							
SPE (KN DI	TS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	49 - 55	≥56	*	MEAN WIND SPEED
	ч		1.8	3.4	• ဗ်	. 2							6.2	8.7
N	NE	• 2	.5	2.1	• 2					<u> </u>			2.9	8.1
N	E	. 2	1.1	. 8	• 2								2.3	6.6
E	4E		2,8	2.0	• 3								5.0	6.7
	E	, 5	2,3	1.3									4.1	5.9
E	SE	. ź	3,1	,7	• 2						ì		4.4	5.4
\$	E	1.3	4.4	2.6	• 3								8.6	6.1
8:	38	. 5	3,3	4.1	1.1								8.9	7.4
	B	. 3	2.4	3.7	1.3								7.8	8.0
S:	W		1,1	• 3	• 3								1.8	7.5
	w	. 2	. 5	1.0	9.2	. 2							2.0	9.0
W	sw	. 2	. 3	1.0	1.1								3,4	10.1
F		,	**9	3 1		,				T	1			

TOTAL NUMBER OF OSSERVATIONS 615

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GLOBAL CLIMATOLDRY BRANCH USAFETAC AIR WEATHER SERVICES/MAC

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MP	71~79	FEB
STATION	STATION NAME	YEADS	MONTH
	ALL.	WEATHER	1800-2000
		¢LA96	HOURS (L S.T.)
		COMPLTION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
н	1.6	4.1	1.6	•4	• 2							7.9	6.0
NNE	1.2	2.2	1.8	• 2								5.5	6.0
NE	• 4	1.6	2.0									4.1	6.8
ENE	• 5	2.0	1.6	• 4								4.9	6.0
8	1.0	1.2	1.0	• 4				1		1		3.7	6.3
ESE	1.2	.6	.4							<u> </u>		2.2	3.8
SE	1.4	1.2	•4						1			3.1	4.4
SSE	.6	l.8	1.2	• 2					<del> </del>		1	3.9	6.2
5	1.2	2,9	3,1	• 0				<u> </u>	†	1		7.9	6.9
SSW	.2	• 0	. 4									1.2	5.7
SW		1.2	1.5	•4			1		<del> </del>			3.5	8.1
WSW		.6	• 2	• 2				·		1		1.0	6.8
w		2.0	3.1	1.2				1			<del> </del>	6.3	8.7
WNW		1.8	6.9	4.1	. 8							13.6	10.3
NW	. 5	3.9	3,5	2.4	. 8			1				11.4	8.8
NNW	. 0	2.6	2.4	•6			l	1				6.5	6.8
VARBL	-								<del>                                     </del>	<del> </del> -	<del> </del>		
CALM	>	$\times$	$\times$	$\times$	> <	$\times$	$\geq$	$\boxtimes$	$\boxtimes$	$\geq$	$\times$	13.2	
	11.4	30.5	31.6	11.4	1.6							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM (0-8-5 (OL-A) Previous editions of this form are obsolete

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

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93744 MARTIN MARIETTA AIRFIELD MO

# SURFACE WINDS

FEB

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

71-79

•		STATION	HAME						YEARS			•	HANAN
	-				ALL WE	LATHER							-2300
					•	Puee						MOUN	(L.S T.)
	_				COI	BITION							
					-								
	_												
	,			,	·		<del></del>	<del>,</del>		,			
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1,5	2.3	ò	اد ه					[			4.8	5.2
NNE	. 9	2.3	2,3									5.3	6.3
NE	• ხ	2,3	1.5	• 3								5.1	6.3
ENE	<b>•</b> 5	1.8	e d	ار ه	, 8							4.1	8.6
	و .	2,0	, 3	• 3							· · · · · · · · · · · · · · · · · · ·	2.9	6.1
ESE	. 3	1.3	. 3									1.8	4.9
SE		1.0										1.0	4.8
SSE	. 3	. 8	, 5					T				1.5	6.3
5	ن و	2.3	, 5					1				3.0	5.3
ssw	. 3	, 5										.8	4.3
sw	, 3	.3										.5	3.5
WSW	, 3	1.5	• ဗ်									3.0	6.9
w	, 3	1.0	2,5	1.5	,5	خ و						6.1	10.9
WNW	٥ و	4.3	3.8	5.6								15.0	9.5
NW	1,5	4.1	4.6	1.0	1.0							12.9	5.6
NNW	1.6	2,8	. 8	3	. 3							5.8	5.5
VARBL													
CALM	$\geq \leq$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\bowtie$	$\geq \leq$	$\geq \leq$	><	$\supset \subset$	$\geq <$	20.4	
	9.0	30.5	19.5	10.7								100.0	5,6

TOTAL NUMBER OF OBSERVATIONS 394

GLOBAL CLIMATULDRY BPANCH USAFETAC AIR MEATHER SERVICE/MAC

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARTETTA AIRFIELD MD	71-79	FEB
STATION	STATION NAME	YEARS	МТИОМ
	ALL	NEATHER	ALL
		CLASE	HOUSS (L.S.T.)
		COMPLTION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	•6	2.1	2.5	1.6	.2	• [						6.5	8.0
NNE	.5	1,7	1.0	• 2								4.1	6.7
NE	.5	1.5	1.7	• 5								4.0	7.0
ENE	.4	2.4	1.07	• 3	• 1					1		4.9	6.9
E	.6	1.9	1.0	• 2		•1						3.7	6.2
ESE	• 6	2.0	•6	٥٠								3.2	5.1
SE	₽ ₽	2.2	1,7	•								4.8	6.1
SSE	• 6	2.0	1.8	<b>ز</b> •								4.9	6.9
5	.7	2.2	2.1	•7	. 1	• 1						5.9	7.4
SSW	• 4	1.0	. 3	• 2								1.9	5.8
sw	. 4	. 9	• 9	• 2	.0							2.2	7.3
wsw	. 2	, 9	1.4	• 6		'اه						3.1	8.6
₩	•1	1.7	2.9	2.6	.6	i						8.1	10.4
WNW	. 5	1,7	5 . 8	4.0	.7							12.6	10.2
NW	. 5	2,3	5.1	3.5	1.3	• 1						12.9	10.4
мим	.7	1.6	2.8	1.2	.2							6.5	8.4
VARBL													
CALM	><	> <	>>	$\times$	$\supset \subset$	> <	$\times$	$\boxtimes$	$\geq <$	$\geq <$	$\supset <$	10.7	
	7.9	28.0	34.1	15.7	3.2	. 4						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 3157

GLOBAL CLIMATOLURY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

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# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MD	71-78	MAR
STATION	STATION NAME	YSARS	MONTH
	ALI	. WEATHER	0600-0800
		CLA98	HOURS (L.S.T.)
	**************************************	CONDITION	•

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 -, 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	%	MEAN WIND SPEED
N	1.2	1.8	2.1	• 9								6.0	6.9
NNE	• 9	3.6	1.5									6.0	5.4
NE	• 3	2.7	2.4	•6								6.0	7.2
ENE		2.4	2.7	1.2								6,3	7.7
Ę	1.5	3,6	1.2	• 3								6.6	5.4
ESE	•6	.9	•6	•6								2.7	7.4
SE	. 3	.9	.9	• 3								2.4	7.1
SSE	1.5	, 3	•6									2.4	4.4
S	• 6	1.8	٧٠	1.2								4.5	7.2
SSW		1,2	1.2	•6								3.0	8.1
sw		, 3	. 9									1.2	6.8
WSW	, 3	.6	. 9									1.8	7.2
w	1.2	4.8	2.1	2.4								10.6	7.2
WNW	. 5	2.4	4,8	3.3	.3	. 3						11.8	9.6
NW	1.5	1.8	4.5	2.1	. 3							10.3	8.6
NNW	.9	.6	2.1	.9								4.5	7.6
VARBL							T						
CALM	$\supset <$	$\times$	> <	$\times$	$\supset \subset$	$\supset \subset$	$\supset$	$\supset <$	$\supset <$	$\supset <$		13.6	
	11.2	29.9	29.6	14.5	. 6	3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATULUAY BRANCH USAFETAC AIR FEATHER SERVICE/MAC

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# DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MO	71-78	MAR
STATION	STATION NAME	YEARS	HOMYN
	ALL	WEATHER	0900-1100
		CLASS	HOURS (L.S Y.)
		CONDITION	

SPEED (KNTS) DIR	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	4R · 55	≥54	*	MEAN WIND SPEED
N	•6	.6	1.7	1.7	• 2							4.8	9.
NNE		. 5	1.6	1.1								3.4	9.
NE	. 3	2.6	2.9	• 8								6.7	7.6
ENE	. 3	2.8	4.2	• 6								7.9	7.4
e _	, 5	2,0	2,0	• 3								5.6	6.9
ESE	1.7	2,9	1.9	• 2	•2							6.8	6.0
SE	1.1	2,2	1.2	• 3								4.8	5.
SSE	• 6	1.6	2,2	1.7	, 2							6.2	8 • 4
<u> </u>	. 3	1,6	1,9	• 5	.2							4.7	8.
SSW	• 2	. 9	1.2	• 2	.2		ļ				ļ	2.6	8.
SW	. 3	2	.6	• 5								1.6	8.
WSW	. 3	, 9	1,4	• 5								3.1	8.
w	. 2	, 5	2,2	1.7	. 8	. 5					ļ. <u></u>	6.0	12.
WNW	ا ع	.6	4,8	3.4	1.7							10.7	12.
NW	.3	. 9	5,7	5.1	1.2	5		ļ <del></del>			<u> </u>	13.8	11.
NNW	. 3	, 9	3.1	1.0			Ļ	ļ			ļ	5,9	9.
VARBL											Ļ		
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	5.4	
	7.1	22.3	39.4	20.3	4.5	ن						100.0	8

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM  $_{\rm AUC.64}$  0-8-5 (OL+A) previous editions of this form are obsolete

PERCENTAGE FREQUENCY OF WIND

SURFACE WINDS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

TOTAL NUMBER OF OSSERVATIONS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MARI	IN MAKI	ETATION		UM U.		71.	-78		EARE	·····		- <u>-                                  </u>	AR
					ALL WE	ATHER							-1400
					C	LASO						HOVE	(£ 5.T.)
	_				CON	DITION							
							······						
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥#	*	MEAN WIND SPEED
N	•2	.8	1.9	1.3								4.1	9.
NNE	.3	•6	1.6	•6								3.2	8.
NE	.5	.9	1.7	1.3								4.4	8.
ENE	• 2	2,1	3.6	• ರ	• 2		İ					6.8	8.
	. 9	1,9	1.6	• 5			i					4.9	6.
ESE	•6	3.3	2.1	• 2			1					6.2	6.
SE	• 8	4.1	5.2	1.4			1			<u> </u>		11.5	7.
SSE	. 3	2,2	4.3	• 6								7.4	7.
\$	• 5	1.9	3.5	• 0			<del> </del>					6.6	7.
55W		. 9	.9	•0	,2							2.7	9.
SW		1.1	1,3	• 3								2.7	7.0
WSW		.2	1.1	• 9				. 2				2.4	11.
₩		.9	3.8	3.5	1.3	.5						9.8	12.0
WNW	. 4	8.	4.7	3.3	. 8	ذ ،						10.3	11.
NW		.2	4.4	4.1	2.2	.2					<del></del>	11.1	13.
NNW		.6	1.9	1.4	.3	- 2		1				4.4	11.3
VARBL													
CALM		> <	><	> <	> <	><	><	> <	> <		> <	1.6	
	4 4	22	4.3.4			1	Sacrament S	2	(armenoss)		f		*

GLOBAL CLIMATOLUCY BRANCH USAFETAC AIR VEATHER SERVICE/MAC

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### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MP	71~78	MAR
STATION	STATION NAME	YEARS	HONTH
	ALL	WEATHER	1500-1700
		HOURS (L S.T.)	
		CMDITION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
×	. 3	•3	3.3	1.7								5.8	9.6
NNE	.2	,2	1.9	,9	.2							3.3	9,8
NE	.2	. 5	1.4	• 5								2.6	9.0
ENE	.5	1.2	2.3	• 2								4.2	7.2
E	.7	1.7	2.3									4.7	6.4
ESE	•7	2.8	1.4									4.9	6.0
SE		3.0	2.6									5.6	7.0
SSE	. 5	3.8	6.5	1.4								14.7	8 . 2
5	. 3	1,6	4.7	1.5	, 5							9.1	9.
SSW		. 2	• 3									.5	8.
SW		. 2	. 2								1	. 3	6.
WSW		. 2	1.6	• 2	, 3							2.3	10.6
w		9	5.6	4.2	• 7	1.2	I					12.6	12.
WNW		1.4	4.4	4,7	2.3							12.7	12.
NW		. 3	3.1	4.2	1.4	2						9.6	13.0
NNW		1.2	1.9	2,3	, 2							5.6	10.
VARBL													
CALM	><	$\geq \leq$	><	> <	> <	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$	><	1.6	
	3.5	19.5	45.9	22.2	5.6	1.7	I					100.0	9.

TOTAL NUMBER OF OBSERVATIONS 573

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

93744 STATION	MARTIN MAKTETTA AIRFIELD MO	71-78	MAR
STATION	STATION NAME	YEARS	HONTH
	ALL	WEATHER	1800-2000
		CLANO	HOURS (L S.T.)
		COMPLICION	

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
И	. 4	2.9	3.1	•9								7.4	7.6
NNE	1,3	,9	2.2	. 9								5.4	7.2
NE	, 9	9	1.5	• 4								3.8	6.8
ENE	• 2	1.8	, 9	•7								3.6	7.2
Ę	1.5	1.3	1,0	• 4								4.9	6.3
ESE		2,2	• 4									2.7	5.8
SE	1,3	2.2	,4	2								4.2	4.7
,SE	1.1	1.6	2.7	• 2								5.6	6.6
5	. 9	4.0	6.0	1.1								12.1	7.6
55W	• 2	• 2	• 2	•2								.9	7.5
5W_		.4						<u> </u>				.4.	5 . 2
WSW		.7						<u> </u>				1.3	7.2
W	,7	. 9	2.7	•7	•4	. 4	- 2	ļ		ļ		5.0	10.
WNW	,4	3.1	4,5	3,6	1.1							12.7	10.0
NW	- 4	2.0	5,4	5.1	. 9			ļ	<u> </u>			13.8	10.6
NNW	9 9	1.3	2.7	1.1	.2							6.2	8.0
VARBL													
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq \leq$	><	8.9	
	10.5	26.6	35.0	15.0	2.7	. 4	• 2					100.0	7.5

TOTAL NUMBER OF OSSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOIETE

GLOBAL CLIMATGLUCY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

(FROM HOURLY OBSERVATIONS)

GLOBAL CLIMATOLURY BRANCH USAFFTAC AIR MEATHER SERVICEMMAC

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARTETTA AIRFIELD MO	71-78		MAR
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		2100-2300
		CLASS		HOVES (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 · 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1,2	1.4	3.2	• 6	-							6.4	7.1
NNE	.6	1.4	2.6	.9								5.5	8.2
NE	و	1.7	. 3	. 3								3.2	5.5
ENE	6.9	1.2	1.2									3.2	6.0
Į.	1.4	1.7	2.0									5.2	5,8
ESE	. 9	. 9	9									2.6	5.1
SE	• 3	•6	9									1.7	6.2
SSE		. 3	2,9									3.2	8.6
S	• 6	4.6	2,9	1.2								9,3	6.8
55W		, 9	. 9									1.7	6.5
SW		1.4	• 6									2.0	5.9
WSW		,6										.6	4.5
w	. 3	1.4	2,9	• 9	.3							5.8	9.0
WNW		2,6	6.4	1.7	1.7							12.5	10.4
NW	. 9	4.3	5.5	2,0	, 9							13.6	8.7
NNW	1.4	2,3	1.4	1.2								6.4	6.9
VARBL													
CALM	$\supset <$	$\geq \leq$	$\geq \leq$	> <	$\geq \leq$	$\ge$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		17.1	
	9.3	27.5	34.5	8.7	2.9							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 345

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

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#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744 STATION	MART	IN MART	ETTA A	IRFIEL	D MO		71-	-78		TEARS				AR
STATION		_	\$7,81104			ALL WE	ATHEK						A	L L (LS.T.)
		<del>-</del>				сон	DITION							
	"PEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥56	*	MEAN WIND SPEED
	N	.6	1.2	2.5	1.3	•0			<del></del>				5,5	8.5
	NNE	.5	1.0	1,8	• 8	•0							4.2	8.0
	Nξ	.5	1,5	1.8	• 7								4.5	7.6
	ENE	.3	1.9	2.7	• 6	• 0	[ .						5.6	7.5
	E	1.0	2.0	2.0	• 3								5.2	6.3
	ESE	• ರ	2,4	1.3	• 1	.0							4.7	6.0
	SE	,7	2,4	2.2	• 4								5.7	6.7
	SSE	• 6	1.8	3.9	•8	• 0						l l	7.2	7.8
	S	, 5	2,4	3.4	1.1	. 1							7,6	8.0
	SSW	.1	,7	• 6	• 3	.1							1,9	8.2
	SW.	, 1	,6	• 6	- 2						<u> </u>		1.4	7.3
	WSW	•1	.5	1.0	• 3	. 1			•0				2.1	9.2
	w	.3	1.4	3,3	2.4	.7	. 5	•0					8.6	11.1
	WNW	,2	1.6	4,8	3.5	1.4							11.6	11.2
	NW	.4	1,3	4,7		1.3	• 2	ļ			ļ		12.0	11.4
	NNW	.5	1.1	2.3	1.5	.1	ي و						5.5	9.1
	VARBL	Ļ	L					Ļ		Ļ	L			
	CALM		$\geq \leq$	$\geq \leq$	><	><	><	$\geq \leq$	><	$\geq \leq$	$\geq \leq$	><	6.7	

TOTAL NUMBER OF OBSERVATIONS 2976

100.0

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

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GLOBAL CLIMATULORY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

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# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MD	71-78	APR
STATION	STATION NAME	YEARS	Менти
	A	NLL WEATHER	0600-0800
		CUSS	HOURS (L.S.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	9	3,0	1.2		, 3							5.3	6.4
NNE	.3	2.7	3.0	• 5								6.5	7.2
NE	1.2	1.5	1.5	.9				,				5.0	6.8
ENE		2.7	1.8	.9	.3							5.6	8.2
ŧ	. 9	1,5	• 5	• \$								3.3	5.8
ESE	.3	1,5	• 3									2.1	5.1
SE	.3	.9	1.2			-		,				2.4	6.8
SSE		1,5	•6	• 3								2.4	6.9
5		• 6	1.2	• 3								2.1	8.7
SSW	. 4	1.8	1.8	•6							]	5.0	6.9
sw	1.2	1.5	1.2	• 3							[	4.1	6.4
wsw	1.2	3,3	3,0			اذه						8.3	6,8
w	.6	2.1	4.1	1.5		.0						8.9	9.4
WNW	.6	1.2	3,3	2.7								7.7	9.1
NW	1.8	3,3	5,3	2.1	.3							12.7	7.8
NNW	3	1.5	5,3	.9								8.0	8.3
VARBL													
CALM	$\searrow$	> <	> <	> <	$\supset \subset$	> <	> <	$\geq <$	> <	$\supset <$	$\geq \leq$	10.7	
	10.4	30.2	35.8	11.2	. 9	ب						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARTETTA AIRFIELD MD	<b>71 ≈ 78</b>	APR
STATION	STATION NAME	YEARS	MONTH
	ALL	WEATHER	0900-1100
		CLA96	HOURS (L.S.T.)
		COMBILION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.2	, 8	4.5	2.1	,2							7.7	9.6
NNE	•2	1.0	1.3	• 5								2.9	7.8
NE		1.0	1,6	1.3								3.9	9.6
ENE	• 2	•6	1.4	1.1	,2							3.5	9.2
Ę	.5	2.4	2.9	1.1	,3							7.2	7.9
ESE	. 8	3,2	1.4	• 2								5.6	5.7
SE	, 3	2.6	2.4	• 3								5.6	7.0
SSE	,5	2,3	3.7	• 2								6.6	7.1
\$	. 8	1.8	2.1	• 5								5.2	6.6
SSW	• 0	•6	2.3	₽ ₩		• 2						4.7	8.2
sw		1.0	1.9	•6								3.5	8.5
WSW		. 8	2.3	1.0								4.0	9.1
w	. 3	1.9	5.0	3,7	. 3	• 2	• 2					11.6	10.5
WNW		. 3	4.2	3.2	1.4	• 2						9.3	12.4
NW	. 2	. 5	3.9	4.5	1.1							10.1	11.9
NNW		1.0	3.2	2.1	.3							6.6	10.1
VARBL													
CALM	$\times$	$\geq \leq$	$\geq$	$\geq \leq$	$\times$	$\times$	$\geq \leq$	$\geq \leq$	$\times$	$\geq$	$\geq \leq$	1.8	
	4.7	21.7	44.1	23.2	3.9	.5	2					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 421

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MD	71-78	APR
STATION	STATION NAME	YEARS	HONTH
	ALL	. WEATHER	1200-1400
		(LASS)	LOURS (L.S.Y.)
		CONDITION	

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	20 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	• 2	.5	2.6	1.5								4.7	10.0
NNE		. 8	•7	1.0	.2							2.6	9.9
NE	. 3	• 2	8.	• 2								1.5	7.3
ENE		.5	. 3	• 3	.3							1.5	10.4
E		1.6	3.6	1.3	.2							6.7	8.7
ESE	•5	1.5	2.8	• ₺								5.5	7.6
SE	,3	2.8	5.4	1.5						1		9.9	8.0
SSE	. 2	1.5	4.6	3.7								9.9	10.0
5	.3	1.3	3.4	1.1	.3							6.5	9.3
SSW		.5	1,3	•3								2.1	8.8
sw	.2	.5	1.3	. 3	.2							2,4	9.0
wsw	.2	.5	2.1	1.6	. 2		•2					4.7	10.9
w	1	1.0	4,9	4.4	. 5		.3					11.1	11.8
WNW	• 2	.3	5.0	4.9	1.1							11.5	11.7
NW		1.0	3.6	4.7	. 8	. 3						10.4	12.2
NNW	. 3	.7	4.9	2.9								8.8	10.0
VARBL						······							
CALM	><	> <	> <	> <	$\times$	$\times$	> <	$\geq$	> <	$\supset <$	><	•2	
	2.6	15.0	47.2	30.6	3.7	. 3	. 5					100.0	10.1

USAFETAC FORM ALL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATULORY BRANCH USAFETAC AIR WEATHER SERVICES

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MD	71-78	APR
STATION	STATION NAME	YEARS	MONTH
	ALL	WEATHER	1500-1700
		CLA96	HOURS (L 8.7.)

SPEED (KNYS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	9.2	.5	402	• 7	. 2							5.8	9.
NNE	• 2	. 3	,7	. 9	3							2.4	11.
NE	. 2	,7	9	. 3								2.1	7•
ENF	• 2	.5	1.0	• 5	, 3							2.6	10.
ŧ	. 2	. 9	1.0	• 7								2.8	8.
ESE	. 2	•7	2.4	1.0								4,4	8.
SE	. 2	3.1	4,5	• 3								8,2	7,
SSE	.3	1.6	10.5	2,4	. 2							15.0	9.
5	.5	1.4	4,4	2.1	1.0							9.4	10
SSW		• 2	1.6	. 2								1.9	9
SW	. 2	•7	, 3	• 2								1.4	6
WSW			1.9	.5								2.4	10
w		. 9	5,9	3.5	9		. 3					11.5	11
WNW		. 5	4.4	5.1	1.4	2						11.5	12
NW		7	5.9	5.8	. 9							13.3	11
NNW		.3	2.3	2.1								4.7	10
VARBL													
CALM	><	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq <$	$\geq$	$\geq \leq$	, 3	
	2.3	13.1	52.1	26.4	5.2	2	.3					100.0	10

TOTAL NUMBER OF OBSERVATIONS

572

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATULURY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

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# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MAPTIN MARTETTA AIRFIELD MD	71-78		APR
STATION	STATION NAME		YEARS	HORYK
		ALL WEATHER		1800-2000
	<u> </u>	CLASS		HOURS (L S.T.)
		COMBITION		
_				

SPEED (KNTS) DIR	1 - 3	4 - 6	7 · 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	. 4	2.4	2.6	1.5								7.0	8.0
NNE	.4	1.3	,9		. 4							3.1	7.7
NE	,4	.4	. 2	ن و	.2							2.2	9.8
ENE	•2	1,3	,4	• 4								2.4	6.5
E	,4	2.2	2.4	• 4								5.5	6.8
ESE	•4	.9	2.6	•7								4.6	7.8
SE	.9	2.2	•7									3.7	5.1
SSE	ÿ	2.6	2,4	ن و								6.8	6.9
5	ر و	5.1	5.7	2.0	.4							14.1	7.9
SSW	,4	1.1	2.0	• 2								3.7	7.1
SW	• 2	.4	, 2	• 2								1.1	6.8
W\$W		,7		• 2							-	.9	7.0
w		3.7	4.0	2.6								10.4	8.7
WNW	.7	2.0	3,7	4.4	,7							11.5	10.1
NW	. 4	2,4	5,1	4.4								12.3	9.8
WNW	• 4	, 9	2.0	• 9								4.2	8.5
VARBL							I						
CALM	><	><	><	><	><	> <	$\ge$		$\supset <$			6.4	
	7.3	29.7	35 o U	19.5	1.8							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

45

GLOBAL CLIMATOLURY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

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# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARTETTA AIRFIELD MO	71=78	APR
STATION	STATION NAME	YEAD\$	MONTH
	ALL	WEATHER	2100-2300
		CLASS	HOURS (L.S.Y.)
		COMBITION	

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.2	1.2	3.4	• 0	.9							7.4	8.5
NNE		1.5	1.8	• 3								3.7	7.6
NE	. 9	1.8	.6	.9	.3							4.6	7.0
ENE	•6	1.8	1.8									4.3	6.0
E	٤.	1.2	2.2	• 3				1	1			4.0	7.
ESE	,3	.9		• t				1			İ	4.3	7.
SE	٤.	1.8	1.5							1		3.7	6.
SSE		1.8	.6							<u> </u>		2.5	6.
3	1.2	4.9	4.0	2.2					†	<u> </u>		12.3	7.
SSW	.6	•6	1.5									2.8	6.
sw	. 5	1.2	<del></del>			<del></del>	<del> </del>		<b></b>			1.5	4.
wsw	3	.6	. 9				1		1		<u> </u>	1.8	6.
w	.6	3.4	3.1	1.2	.6		<del></del>	<del> </del>	1			8.9	9.
WNW	.0	1.2	2.8	1.2			<del> </del>	\	<b></b>	<del> </del>	<u> </u>	5.8	8.
NW	٧	3.1	2,8	2.2		<del> </del>	<del> </del>	<del> </del>	†	<del> </del>	<del> </del>	8,9	7.
мим	1.6	3.7	1.2	از	. 3	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1	7.4	5.
VARBL	• • • •					<del>                                     </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del>                                     </del>	#	
CALM	> <	> <	>>		> <	$\geq$			$\geq$	$\geq$		16.0	
	16.2	31.1	30.8	9.5	2.2							100.0	6.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLDAY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

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# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MO	71=78	APR
STATION	STATION NAME	YEARS	MONTH
	ALL	ALL	
		NOURS (L.S.T.)	
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
И	.4	1.2	3,2	1.2	, 2							6.3	9.0
NNE	.2	1.1	1.2	• 5	.2							3.3	R . 5
NE	.4	.8	1.0	• 7	, 1							3.0	8.2
ENE	• 2	1.1	1.1	•6	. 2							3.1	8.4
E	.3	1.7	2.3	• b	.1				1	1		5.2	7.8
ESE	• 4	1.5	2.1	• 0								4.6	7.3
SE	• 4	2.4	2.9	• 4						<u> </u>	<u> </u>	6.2	7.2
SSE	.3	1.9	4.3	1.5	٠٥					1		8.0	8.5
s	.6	2.3	3.5	1.3	.3							8.1	8.4
SSW	• 4	.7	1.7	•4		• 0						3.3	7.9
sw	• 3	, 8	. 9	•3	•0				<u> </u>			2.4	7.5
wsw	.2	. 8	1.8	•7	ن	•0	•0					3.6	8.8
w	.2	2.0	4.7	3.1	. 4	•1	• 2					10.7	10.5
WNW	.3	.8	4.1	3.8	.9	• 1						10.0	11.2
NW	.4	1.5	4.4	4.2	.6	,1				<del>                                     </del>		11.3	10.7
NNW	.4	1.1	3.2	1.7	.1				<del> </del>			6.6	9.3
VARBL	<del></del>								<u> </u>	<b> </b>			
CALM	$\times$	$\geq \leq$	$\times$	$\times$	> <	$\times$	$\geq \leq$	$\geq$	$\geq$	$\geq$	$\geq$	4.5	
	5.4	21.9	42.4	22.0	3.2	. 3	• 2					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 2926

GLUBAL CLIMATULUMY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARTETTA AIRFIELD MD	71-78		MAY
STATION	STATION NAME		YEARS	HONTH
	ALL	WEATHER		0 <b>6</b> 00~u600
		CLASS .		HOVES (L S.T.)
		CONSITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	1.0	3,5	3,3	•6								8.4	6.7
NNE	6.	3,5	2,7	• 4								7.4	5.3
NE	• 6	2.3	4.1	• 4								7.4	7.4
ENE	.4	1.2	• 8	1.0								3.5	7.9
E	1.4	1,8	1.0	• 4							1	4.7	5.3
ESE	.2	1.8	1.0									3.1	6.0
SE	,2	2.0	• 6									2.9	5.5
35E	.0	1,2	,6	• 4				Ī				3.1	5.9
\$	1.4	1.4	3.7	• 0								7.2	7.0
ssw	• <b>ઇ</b>	2.3	1.4									4.5	5.6
5W	,4	2,7	1.0	• 2								4.3	5.9
wsw	.0	1.6	• <b>6</b>	• 2								3.3	5.8
w	1.0	1.8	2.0	4								5.3	6.2
WNW	1.4	1.8	2,9	1.2					I			7.4	7.6
NW	1.4	2.3	2.9	• 5	. 2							7.6	7.3
NNW	1.2	2.3	9 8	. 4	, 2							4.9	6.3
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$\geq <$	$>\!\!<$	$\geq \leq$	$\geq <$	$\geq \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$	$\geq <$	$\geq <$	$\geq <$	$\geq$	15.2	
	13.9	33.6	29.7	7.2	.4							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 488

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

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# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MO	71=78		MAY
STATION	STATION NAME	YEAR	8	MONTH
	ALL		0900-1100	
		CUSS		HOURS (L.S.T.)
		PANALTIAN		

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.1	1.7	3.8	• 8								7.4	7.4
NNE	.3	2.5	3.3	•6		1						6.8	7.3
NE	•6	.9	3.6	• 2								5.4	7.6
ENE	.3	2.0	2.8	1.3								6.5	8.0
E	• 5	2.4	2.4	• 4								6.1	7.6
ES€	• 2	2,5	2.7									5.4	7.1
SE	. 8	2.7	2.2	• 5						1		6.1	6.5
SSE	• 2	3,3	6.1	• 2								9,8	7.7
S	. 8	4.6	3.0	• 6			<u> </u>		ļ			9.1	6.6
ssw	.5	1,9	2.5	• 2		<u> </u>						5.0	6.9
SW	.3	1.3	1,1	• 2					T			2.8	6.7
WSW	.2	1.9	1.9			<del>                                     </del>						3,9	6.8
w	.3	1.4	2.8	1.7								6.3	8.8
WNW	. 2	. 8	2.2	2.0	, 3							5.5	10.6
NW	. 5	1.4	3.9	1.4	.3	·	·	† <del></del>				7.6	9.4
NNW	2	. 9	1.1	• 0	, 3							3.1	9.4
VARBL								İ					
CALM	$\supset <$	> <	>	$\times$	$\times$	$\times$	$\geq$	$\geq$	$\geq$	$\times$	$\times$	3.1	
	5.8	32.3	45.5	11.3	.9							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

425

USAFETAC FORM  $_{\text{NUL}}$  64 0-8-5 (OL-A) previous editions of this form are obsolete

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

744	MART	IN MART			D MD		71.	78						Αγ
ATION			STATION	MAME					1	EARS				ONTH
						ALL WF							1200	1400
						C1	.A86						Heva	(L S.T.)
						CON	BITION							
	_													
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	и	ار و	1.0	2.6	•6	. 2							4.6	8.5
	NNE		, 6	,5	• 2								1.4	7.1
i	NE	• 2	1.4	2.1	• 6								4.3	7.6
	ENE	.5	.6	1.8	• ઇ								3.7	8.3
ĺ	E	• 2	1.6	3.8	• 3								5.9	7.9
	ESE	• 3	2.1	3.7									6.1	7.1
ĺ	SE	3.	4.8	9.4	1.4								16.5	7.7
	358	.3	2,6	9.6	3,2								15.7	9.0
	S	, 3	1.6	5.1	1.4	.2							8.6	8.9
	SSW	• 3	1.0	1.0	. 5								2.7	7.7
	sw	, 2	.5	. 8	• 3								1.8	8.1
	WSW	• 2	.6	1.1	1.0								2.9	9.6
	w		, 5	3,4	1.0	, 3					T		5.8	10.6
	WNW		1.1	3,8		.6							7.0	10.5
	NW	.2	1.3	2.7	2.0	. 2			ļ ———				6.9	10.1
	NNW	. 2	. 8	2,2		.2			1	<u> </u>	1		4.3	9.5
	VARBL													
	CALM		$>\!\!<$	> <	$\supset <$	><	> <	> <		$\supset <$	><	><	1.9	

TOTAL NUMBER OF OBSERVATIONS 626

GLOBAL CLIMATOLOGY BRANCH USAFFTAC AIR REATHER SERVICE/MAC

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# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MD	71-78		YAK
STATION	STATION NAME		YEARS	MONTH
	AL	L WEATHER		1500-1700
		CLASS		HOURS (L S.Y.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	%	MEAN WIND SPEED
N		• 7	2.8	•6	,4							4.5	9.8
NNE	• 2	,9	• 4									1.5	5.5
NE		.7	1.1	, 4								2.2	7.4
ENE	. 2	•6	.4	1.1	•6							2.8	10.5
Ę	.9	1,5	5.2	• 7	• 2		l					8.5	8.
ESE	.4	2,2	2.0	. 2								4,8	6.
SE	, 4	2,8	4.6	Ş								9.3	7.
SSE	,4	4.1	10.8	1.7				<u> </u>				16.9	8.
5	1.1	1.7	8.0	4.3								15.0	9.
ssw		1,3	6	. 4								2.2	7.
sw	- 6	•7		2								1.7	5.
W\$W		1.9	1.5	. 4								3,7	7.
W	.2	4	3.3	1.5								5,6	10.
WNW		7	3.2	1.5	- 4							5,8	10.
NW	.2	1.3	4.6	2.4								8,5	9.
NNW	. 2	. 9	3.5	.6	2							5.4	8.
VARBL								L					
CALM		> <	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	1.7	
	4 B	22.4	52.5	16.7	1.9							100.0	8.

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BPANCH USAFETAC AIR MEATHER SERVICE/MAC

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# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744 STATION	MART	IN MAR	TETTA A		D MO		71-	78		MAY HORLH					
		_			<del></del>	ALL WEATHER							160	00=2000 PM (L.E.V.)	
						cox	(DITION								
Γ	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥ 56	*	MEAN WIND \$PEED	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	, 9	1.3	2.0	• 2								4.4	6.9
NNE	.7	, 9	• 7	• 2								2.4	5.9
NE		. 9	• 7									1.5	6.6
ENE	, 9	1.8	• 7	• 7	. 4			İ.				4.4	7.6
ŧ	9	3.3	2.2	,7								7,1	7.0
ESE	.4	2.2	1.8	• 4								4.9	7.2
SE	1.6	2.2	1.1									5,1	4.7
SSE	.7	4.6	2.7	• 2								8.2	6.2
S	1.1	5.1	9.1	2.4			<u></u>					17.7	8.0
SSW	,2	2.0	1.8								<u> </u>	4.0	6.2
SW		, 9	, 4	.4		<u> </u>						1.8	7.3
WSW	• 4	1.8	, 9	• 7				ļ				3.8	7.5
W	.4	2.2	2.0	94	<u> </u>				<u> </u>			5.1	7.2
WNW	. 4	1,5	2,2	•4							<u> </u>	4.6	7.5
NW	1.8	2.7	2,7	105								8.6	7.1
NNW	.4	2,7	1.8	. 2				<u> </u>			<u> </u>	5.1	6.2
VARBL						L	Ļ	ļ		Ļ,			
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	11.3	
	11.1	36.1	32.5	8.6	. 4							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 452

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARTETTA AIRFIELD MD	71-75,77-78	MAY
MOITATE	STATION NAME	YEARS	MONTH
	ALL	WEATHER	2100-2300
		CLASE	Hould (L S.T.)
		CONDITION	

SPEED (KNYS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
7	1,4	1.9	1.4	• 5								5.1	6.1
NNE	. 5	.5	, 9									1.9	7.0
NE		, 5	9	, 5								1.9	8.3
ENE	. 9	. 5	,5	• 9								2.8	7.5
E	, 9	7.0	.9	1.9								10.7	6.5
ESE	• 5	1.9	. 9	• 5								3.7	5.0
SE		, 9	1.4									2.3	7.6
SSE	. 5		1.4	• 5								2.3	7.4
5	• 9	3.7	4.7	2.3								11.6	7.9
SSW		2.8	3,3									6.0	7.2
sw		1.4	. 5	• 5								2.3	7.0
wsw	.5	1.9	. 5									2.8	5.0
*	, 5	3,3	1.4									5.1	5.8
WNW	, 5	3.7	1.4									5.6	5.6
NW	1.4	4.2	1.9	.5								7.9	5.8
NNW	1.9	.5	. 5		.5							3.3	5.9
VARBL													
CALM	$\times$	> <	><	> <	> <	$\supset <$		$\geq$		$\supset <$		24.7	
	10.2	34.4	22.3	7.9	.5							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 215

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

### SURFACE WINDS

# DERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744 STATION	MARTIN MARIET	TTA AIRFIELD	MO	71-78	 YEARS	 	MAY	
STATION		STATISM NARE	ALL	WEATHER	 ***************************************		ALL HOURS (L.)	·
	<u></u>		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				WOODS (L.)	,,,,
				CONDITION				
Г						 		45 4 4 1

SPEED (KNTS) DIR	1 - 3	4 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	%	MEAN WIND SPEED
N	,7	1.6	2.8	9.6	.1							5.8	7.6
NNE	.4	1,6	1.5	• 3								3.8	6.7
NE	.3	1.2	2.3	• 3								4.1	7.5
ENE	.5	1.2	1.3	1.0	•2							4.1	8 • 2
8	.7	2.4	2.8	• 7	.0							6.8	7.3
ESE		2.2	2.2	•1								4.8	6.5
SE	.8	2,8	3.7	•6								7.9	6.5
SSE	.4	2,9	5.9	1.2								10.4	8.0
\$	.9	2.9	5.5	1.9	.0							11.3	8.0
SSW	.3	1.7	1.6	• 2								3.9	6.
SW	• 2	1.2	. 8	• 3								2.4	6.
WSW	.3	1.6	1.2	•4								3.5	7.
W	.4	1.4	2.7	1.1	•1				1			5.6	8.
WNW	. 4	1.4	2.8	1.3	.3					<del>                                     </del>		6.1	9.
NW	.8	1.9	3,3	1.7	.1			1	<del> </del>	1		7.8	8 .
NNW	.5	1.4	1.8	•5	.2				1	1		4.4	8.
VARSL			<u> </u>			<u> </u>		1	<u> </u>		<u> </u>		
CALM		> <	> <	$\geq$	>	$\boxtimes$	$\geq$	>>	$\geq$	>>	$\boxtimes$	7.4	
	7.9	29.3	42.2	12.1	1.0							100.0	7.

TOTAL NUMBER OF OBSERVATIONS 2955

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744 STATION	MARTIN MARIETTA AIRFIELD MD	71-78	JUN
		ELTHER	0600-0800 HOURS (L S.T.)
	con	DITION	

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	1.9	1.5	1.9	•6								5.9	6.2
NNE	1.0	4.2	3.1									8,4	6.2
NE	1.5	1.7	1.0	• 4								4.4	5.1
ENE	•6	1.3	. 8									2.7	5.7
ŧ	• ℧	2,1	•6									3.6	4.5
ESE	.4	1.0	1.0	• 2								2.7	6.3
SE	•6	1.5	•4									2,5	5.1
SSE	,6	, 8	•2									1.7	4.
5	1.7	3,8	3,3	. 4								9.2	6.1
SSW	1.5	5,6	1,5									8.6	5.2
sw	1.0	3,3	,6							<u> </u>		5.0	4.8
WSW	1.0	4,8	1.9	• 2								7.9	5.4
w	1.5	2,5	1.3	• 2								5,4	5 . :
WNW	. 0	1.0	1.3	. 4								3.3	6.6
NW	.6	3,1	_3,3	1.0					<u> </u>			8.2	7.6
NNW	2.1	1,5	1,9	1.5	. 2							7.1	7.
VARBL													
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	13.4	
	17.6	39.7	24.3	4.8	.2							100.0	5 • 7

TOTAL NUMBER OF OBSERVATIONS

478

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLUGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MD	71+78	JUN
STATION	STATION NAME	YEARS	MONTH
	ALL	WEATHER	0900-1100
		HOURS (L S.Y.)	
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	, 5	1.1	2.4	1.1								5.1	8.
NNE	• 5	1.0	2.6	• 8								4.8	8.
NE	• 5	1.4	2,1	• 5								4.5	7.
ENE	.5	1.4	1.8	• 2								3.8	6.
E	• 8	3.4	2,6	• 3					<u> </u>			7.1	6.
ESE	1.0	2.7	1.9	• 3								5.9	6
SE	•6	3.2	4.6	.2								8.7	6
SSE	1.0	2.9	3.8	• 0								8.3	7.
5	.8	4.8	3,8	• 8								10.3	6.
SSW	8.	2.1	2.9									5.8	6
sw	.2	1.9	1.4									3.5	6
WSW	• 2	2.7	1.8	• 2								4.8	7
w	.6	1.9	2.4	1.3								6.2	7
WNW	.2	1.4	1.6	•6	• 2							4.0	8
NW	.5	1.1	4.6	1.9								8.2	9.
NNW	.3	1.9	2.2	1.0	.5		•2					6.1	9.
VARBL								· · · · · · · · · · · · · · · · · · ·				1	
CALM	$\supset \subset$	> <	$\times$	$\times$	> <	$\supset \subset$	$\supset$	$\supset$	$\boxtimes$	$\supset \subset$	> <	2.9	
	8.8	35.1	42.6	9.8	.6		.2					100.0	7.

TOTAL NUMBER OF OBSERVATIONS 624

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744 STATION	MARTIN MARIETTA AIRFIELD MD	71+78	JUN
MOITATE	STATION MANE	YEASS	MONTH
	ALL	WFATHER	1200-1400
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
Z	• 2	.6	2.3	•6								3.7	8.
NNE		1.3	.5	• 5								2,3	7.
NE	, 5	.8	1.9	• 3								3.6	7.
ENE		1.1	1.8									2.9	7.
E	.5	1.8	3.1	• 3								5,7	6.
ESE	. 5	2.1	2.1									4.7	6.
SE	.3	4.4	11.0	1.0								16.7	7.
SSE	.6	3.4	11,5	3.1	. 3							18.9	8.
5	.2	2,9	4,9	2.1								10.0	8.
SSW	.5	. 5	1.0	• 3								2.3	7.
sw	.2	1.0	.6	• 3			1					2.1	7.
wsw		. 8	1.8	.3								2.9	3.
w	.3	1.1	3,2	1.5	.2							6.3	9.
WNW		. 8	3.6	1.1	.2	• 2				1		5.8	10.
NW	.2	.5	3.7	1.0								6.1	10
NNW		1.3	1.9	1.9								5.2	9.
VARBL							1	1					
CALM	><	><	$\times$	$\times$	> <	> <	$\supset$	>		>		.8	
	3.9	24.4	54.9	15.2	.6	. 2						100.0	8.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC  $^{\bullet FORM}_{AUL...64}$  0-8-5 (OL-A.) Previous editions of this form are obsolete

GLOBAL CLIMATOLUCY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744 STATION	MART	IN MAR	TETTA A		D MD		71.	-78	<del></del>	YEARS				IUN
		-					ATHER		<u> </u>		<del></del>			)=1700 • (1 5.7.)
		-				ÇOM	IDITION							
	SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
<u> </u>	N		1 2	1.6	. 2			-			<del>                                     </del>		3	9.0

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		1,2	1,6	• 2			• 2					3.1	9.0
NNE		.8	• 2									1,0	6.6
NE		•6	1.4									1.9	7.
ENE		1.4	1.6									2.9	7.
E	1.0	1.9	1.4	• 2								4.5	5.5
ESE	.2	2.9	2.9	.4								5.4	7.
SE	1.0	4.3	4.7	•6								10.5	7.0
SSE	,8	5.4	14.0	1.0	• 2							21.3	7.0
S	.4	1.9	7.9	5.0	.4							15.7	9.9
SSW		1.0	1.6	• 2								2.7	7.9
sw		1.7	1.9	• 2						1	<u> </u>	3,9	7.4
wsw		. 6		•2						<b></b>		2,3	8.
w		•2	4.8	1.4	•2					1		6.6	9.
WNW		.2	1.4	1.7	• 2		1		T			3.5	11.0
NW	. 2	.4		2.7	. 8				<del>                                     </del>			8.5	11.0
NNW		• 2	2.5	1.2	.2				1			4.1	10.
VARBL			-			1	1		1				
CALM	$\times$	$\times$	$\geq$	$\geq \leq$	> <	$\times$	$\geq$	$\geq <$	$\boxtimes$	$\geq$	$\times$	1.2	
	3.5	24.6	53.7	14.9	1.9		.2					100.0	8.

TOTAL NUMBER OF OBSERVATIONS 516

GLOBAL CLIMATOLUGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744 STATION	MART	IN MARI	ETTA A	IRFIEL	D Mn	<del></del>	71.	·78	<del></del> ,	YEARS				UN
						ALL WE	ATHER		<u></u>				1800	-2000
						CON	BITION							
	SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
	N	.2	1.4	1.4	•7								3.7	7.8
	NNE	.9	1.4	9									3.2	5.4
	NE	.2	. 5	.5									1.1	6.4
	ENE	.2	.5	.9									1.6	6.7
	E	1.5	2.3	2,1						<u> </u>			6.2	5.4
	ESE	.7	1.6	.7	. 5								3.4	5.9
	SE	2.5	3.9	• 2	• 2								6,9	4.5
	SSE	1.0	3.7	3.7									9.0	6.0
	\$	1.8	11.3	9,4	4.4								26.9	7.5
	SSW	. 5	2.5	3.4									6.4	6.9
	sw	.2	2.3	1.4									3,9	6.9
	WSW		. 5	. 7	. 5								1.6	9.0
	W		1.6	2.1	7				ļ				4.4	8.6
	WNW	. 5	1.6	1.8									4.4	7.5
	NW	lel.	3.4	104		.2							7.4	7.2
	NNW		1.6	1.8	5						ļ		3,9	7.6
	VARBL					L	<u></u> ,			ļ				
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	6.0	
	1						1	<b>{</b>	1	Į.	[	ļ	1	

TOTAL NUMBER OF OBSERVATIONS 435

GLOBAL CLIMATGLORY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIE	LD MD 71+78		JUN				
STATION	STATION HAME		YEARS	Nenth				
		ALL WEATHER						
		CLASS		2100-2300 HOURS (L S.T.)				
		CONDITION						

SPEED (KNTS) DIR,	1 - 5	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	49 - 55	≥54	*	MEAN WIND SPEED
N	1,4	2.3	1,4									5.2	5.
NNE	. 9											.9	2.
NE	.9	.9	,5									2.3	4.
ENE		,5	, 9									1.4	7.
E	, 5	2.3	1.4			1						4,2	5.
ESE	.5	1.4	1.4									3.3	6.
SE		.9	1.4	, 9						1		3.3	9.
SSE	1.4	1.4						<u> </u>	<del>                                     </del>	1		2.8	3.
5	3.3	9.9	6.6	3,3				<del></del>				23.0	6.
ssw	.9	2.8	1.9	, 5					1			6.1	6.
SW	.9	1.9	.5			† <del></del>						3.3	4.
wsw	.9	1.9	1.4									4.2	6.
w	1.9	2.3	.9		.5			<del>                                     </del>				5.6	5.
WNW	.9	6.1	1.4	.9					···			9.4	5.
NW	.5	1.9	, 9	, 9		1				1		4.2	7.
NNW	**	9		.5			1			1		1.4	8.
VARS!						<del>                                     </del>							
CALM	><	> <	> <	> <	> <	>	>	>	> <	> <	><	19.2	
	15.0	37.6	20.7	7.0	.5							100.0	5.

TOTAL NUMBER OF OBSERVATIONS 213

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

1 (

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

144	MARTIN MARIETTA AIRFIELD MD 71-78													JUN	
TATION			STATION	NAME					,	TEADS					
						ALL WE	ATHER							LL (6 8.7.)	
						61	LASS						MOURE	( <b></b> )	
						604	DITION				_				
		_													
	SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 -, 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	42 - 55	≥56	*	MEAN WIND SPEED	
Ī	N	,6	1.2	1.9	•6			.0	***************************************				4,4	7,8	
1	NNE	.5	1.5	1.4	• 3								3.6	6.7	
	NE	,6	1.0	1.4	.2								3,2	6.6	
Ī	ENE	•2	1.1	1.4	•0								2.8	6.8	
	E	, 9	2.3	2.0	12								5.4	6.1	
Ī	ESE	,6	2,1	1.8	12								4.6	6.5	
r	SE	, 9	3,3	4.4	,5		·	†		<del> </del>	1		9.0	7.0	
	SSE	, 9	3.1	6.4	1.0	-1				1			11.5	7.7	
Ī	5	1.1	5.1	5,8	2,5	.1							14.5	7.7	
-[	SSW	.7	2.3	2.0	-1								5.1	6.3	
Ī	sw	,3	2.0	1,1	•1								3.6	6.2	
ſ	WSW	,3	1.9	1.6	•2								4.0	6.9	
	w	,6	1.5	2,7	1.0	-1							2.9	8.1	
Ī	WNW	.3	1.4	1.9	• 9	.1	•0						4.6	8.5	
Ι	NW	. 5	1.6	3,4	107	,2							7.4	9.0	
Ī	NNW	.4	1,3	1.9	1,2	.2		.0					5.0	9.0	
	VARBL														
į	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$	5.5		
		9.3	32.6	41.0	10.7	.7	.0						100.0	7.0	

TOTAL NUMBER OF OBSERVATIONS 2884

USAFETAC  $\frac{\text{form}}{\text{Jul 64}}$  0-8-5 (OL-A) previous editions of this form are obsolete

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

> NW NNW VARSL

1 (

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TION	MARTIN MARIETTA AIRFIELD MB 71-78												JUL			
					·	ALL W	THER LASS			<del></del>	<del></del>		0600	-0800 (L S.T.)		
		_				cox	IDITION									
	SPEED (KNTS) DIR	1 · 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥56	*	MEAN WIND SPEED		
	×	3,3	3,7	2,3	1,4								10.7	5.9		
	NNE	.6	2.1	1.0									3.7	5.6		
	NE	1.4	2.1										3.5	4.0		
	ENE	.6	. 8	,6									2.1	5.2		
	E	. 2	2,3	1,4	12								4.	6.7		
	ESE	• 2	,6	,4									1.2	5.8		
	SE		,4										•4	4.5		
	SSE		1.0	,4	5.					L			1.6	6.6		
	5	. 8	4,9	1.2			l						7.0	5.2		
	SSW	1.6	3,7	2,1									7,4	5.4		
	\$W_	1.2	3,1	1.2				l					5.5	5.1		
	WsW	1.2	2,5	1,4									5.1	5.6		
	w	1.8	4.7	1.6	.2								8.4	5.1		
	WNW	.2	1.2	. 6	• 2		İ	1					2.3	5.8		

TOTAL NUMBER OF OBSERVATIONS 487

20.7

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MARTIN MARIETTA AIRFIELD MD 71-78

		STATION	NAME					,	EARS				MAM
					ALL WE							0900	-11
					eı	A96						HOURS	(L.S.
					CON	DITION							
· · · · · · · · · · · · · · · · · · ·		<del></del>		<del></del>			·	·		<del></del> /		<del>                                     </del>	
SPEED (KNTS)	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MI W
DIR.	1.3	4.0	7.10	11 - 10	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 . 33	2.30	"	SF
N	.8	3,7	4,3	. 8	• 2	<del></del>						9.7	
NNE	. 2	2,4	2.2	,6								3.4	1
NE	,3	1,3	.6	,2								2.4	
ENE	.6	1.9	.6	.5								3.7	
8	.3	3,3	1.6	.8								6.1	
ESE	.2	1,8	1.1	.2								3.2	
SE	.5	3,5	2,6									6.5	
SSE	1.3	2,1	3.2	,2								6.7	
S	,6	4.8	3,7	,3								9,4	
\$5W	.2	2,2	3.2									5.6	
sw	1,1	1.9	2,2									3.3	l
WSW	, 3	3.0	1.8									5.1	
w	1.1	2,2	2,6	, 5								6,4	
WNW	_ ,5	1.1	104	. 3								3,3	
NW	3	1.0	3.0	1.0								6.1	
NNW	.5	2,7	3.5	. 8								7.5	
VARBL													
CALM		><			><						><	7.7	ł
	8.8	39.7	37.6	6.1	.2			T				100.0	

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

744	MART	IN MARI	ETTA A	IRFIEL	D MD		714	78						IUL
STATION	-		STATIO	N NAME					'	EARS				10MTN
						ALL WE	ATHER							-1400
						C	LASS						NOVE	5 (L S T.)
		_				COM	DITION							
						•								
	SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
	N	. 2	2,8	3,4	, 3	• 2							6.8	7.7
	NNE	.2	. 8	1,9	• 2								3.1	7.5
	NE	, 3	.5	1.3									2,1	6.5
	ENE	•2	.8	,6									4.6	6.5
	E	,5	1.8	1.9	<u> </u>								4.2	6.5
	ESE	.3	1,3	1,1	• 2						1		2,9	6.9
	SE		4.1	9.6	1.5								15.4	8.1
	SSE	,3	2.1	14,0	3,1	,2							19.8	8.9
	S	. 8	1,9	494	1.0	, 3							8.4	0.2
	SSW		. 6	1,1	.2								1.9	7.9
	sw	.5	1.1	1.0	12						T	<u> </u>	2.8	6.4
	WSW	•2	1.3	1.9				13					3.6	7,9
	//	,3	2,4	2,3	.6						i		5,7	7.1
	WNW		1.6	3,6	. 5								5.7	7,9
	NW	. 5	1.5	4.2	. 5								6,7	8.1
	NNW	.3	.6	4.1	. 8								5.8	8.8
	VARBL								<u> </u>		1	1		
	CALM	$\supset <$	> <	> <	><	> <	$\supset <$	> <	> <	$\supset \subset$	$\sim$	$\sim$	3.4	
													!	

TOTAL NUMBER OF OBSERVATIONS 616

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MART	IN MARI	ETTA A	IRFIEL	D MB		71-	78						UL
		STATION	HAME		,			'	EARS				MTH
					ALL WE								-1700
					cı	A36						HOUR	(L.S.T.)
					сон	DITION			<del></del>	<del></del>			
										~ <del>~</del>			
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	%	MEAN WIND SPEED
N _	,6	2.1	3,6	_12								6.5	7.2
NNE	.2	1,9	1.7									3,8	6.7
NF	. 2	1.0	,6	. 4	, 2							2.3	8.5
ENE	1	, 2										.2	5.0
ŧ.	,4	2,1	,6	• 2								3,2	5.0
ESE	. 6	2.3	1.5	94								4.5	6.3
SE		4.4	0,5	.6								11.4	7.4
SSE	1.1	3.8	12.2	3,2								20.4	8.5
\$	. 8	3.0	7.0	5.1								16.5	9.0
SSW	.2	. 8	, 8									1.7	6.3
SW		.6	1.0									1.5	7.5
WSW	.4	. 8	1.9	.4								3,4	7.8
w		1.1	2.7	. 4								4,2	8.2
WNW		.6	2.7	.6								3,8	9.1
NW	,2	1.5	4.4	. 8						1		6,9	8.1
NNW	.2	1.3	4.2	1.0						<del>                                     </del>		6.7	8.3
VARBL	1	7.4.4.								<u> </u>			
CALM		> <	> <	><	$\supset$	> <	> <	> <	><	$\times$		2.5	

TOTAL NUMBER OF OBSERVATIONS 525

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MD	71-78		JUL
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		1800-2000
		CLA98		HOURS (LST)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	1.6	4.1	2.1	•2	***		1					8,0	5.4
NNE	, 5	2.7	.7									3,9	5.
NE	. 5	2.1	9									3.4	5.
ENE	.7	1.1	,2	• 2								2.3	5.
E	1.6	.2	.7	12								2.7	5.
ESE	.2	1.4	,9	, 2								2.7	6.
SE	1.1	3.9	, 9									5,9	5.
SSE	,5	4.8	2.1	12								7.6	6.
S	3.0	9.8	10,8	1.8								25.4	6.
ssw	, 9	2.3	2.5	• 7								4,4	6.
sw	1.6	. 9	.5									3.0	3.
wsw	.2	1.1	1.4									2.7	7.
w		1.1	2.5									3,7	7.
WNW	. 2	1.1	1.1	. ,2								2,7	7.
NW_		2.5	1.4	.2	.2							4,3	7.
NNW	1.1	2.5	9	•7								5.3	••
VARBL													
CALM	$\supset <$	$\times$	$\times$	> <	>>	$\geq \leq$		$\geq \leq$	$\supset <$	$\geq \leq$		9.2	
	13.7	41.9	29.5	4.8	.2							100.0	5.

TOTAL NUMBER OF OBSERVATIONS 437

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3744 STATION	MART	IN MARI	ETTA A	IRFIEL	D MD		71:	78		EARS			- <del></del>	UL
etation					_	ALL WI	EATHER						2100	-2300
							LADS						HOVE	( (L.S.Y. )
		_												
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	. 9	4,6	,9									6.5	5.1
	NNE	1,4	, 9										2.3	3.2
	NE	, 9	2.3										3.2	4.4
	ENE				,5								,5	12.0
	ŧ		, 9	,5									1,4	7.3
	ESE	<u> </u>	1.8	1.8	. 9								4,6	1.2
	SE	. 5	2,3	1.4									4.1	4.1
	SSE	, 9	. 5	,5	. 5								2.3	6.0
	5	,9	7.0	411									12.9	4.1
	SSW	4.1	6.0	3,2				l					13.4	5.1
	sw	,9	1,4						L				2,3	4,6
	WSW	9	2,0	,9					<u></u>				4,6	5,3
	W	, 9	104	1,4									3,7	5,9
	WNW		9	15							ļ <u>.</u>		1.0	5.5
	NW	9	3,2	,9	• 5								5.5	6.0
	NNW	, 9	3,2										4.1	4,3
	VARBL						<u> </u>		Ĺ,					
	CALM	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	> <	$\geq \leq$	26.7	
		14.7	40.1	16.1	2.3								100.0	4,1

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL-A) previous editions of this form are obsolete

217

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MD	71=78		JUL
STATION	STATION NAME		YEARS	MONTH
	<b>,</b>	LL WEATHER		ALL
		CLASS		HOURS (L.S.T.)
	- A-1	CONDITION		

	9.8	35 ^	38.3	6.9	.2		.0		-			100.0	_ 6.
CALM	><	><	$>\!\!<\!\!<$	><	$>\!\!<$	$>\!\!<$	><	$\geq$	$\supset <$	$\supset <$	> <	7,8	
VARBL													
NNW	•7	2,3	3.0	.7					1			6.7	7.
NW	.6	2.1	2,9	1.5	.0				1			6.3	7.
WNW	• 2	1.1	1.9	13					1			3.5	7
w	.7	2,3	2,3	13							***************************************	3.6	6
wsw	.5	1.9	1.6	. 1			.0					4.1	6
sw	, 9	1.5	1.1	•0			· · · · · · · · · · · · · · · · · · ·		1	† <del></del>		3.3	5
55W	. 8	2.2	2.0	.1						T	***************************************	5.2	6
s	1.1	4.9	5,3	1.5	.1							12.0	7
SSE	.7	2,5	6.3	1.4	,0				T			10.9	-
SE	.4	3.2	4.0	14					<u> </u>			8.0	7
ESE	.3	1.5	1.1	13					1	<b></b>		3.1	6
ŧ	.5	2,0	1,2	,3								4.0	6
ENE	.4	.9	.4	,2					T	!		1.9	5
NE	.5	1,4		• 1	•0							2.7	5
NNE	.4	1.9	1.5	, 2						T		3.9	6
N	1.2	3,3	3.1	.5	•1				·	<del> </del>		8,2	6
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEA WINI SPEE

TOTAL NUMBER OF OBSERVATIONS

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744 STATION	MART	N MAR		AIRFIE	הא סו		70-	-78		YEARS				NUG
SIATION		-		VII NAME			EATHER	·			<del></del>		060	0=0800 = (L + T.)
		-				cor	NOITION							
Γ	SFE!D		[	Ţ		Τ				1	ļ			MEAN
1	KNTS)	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	SPEED

SPEED KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	%	MEAN WIND SPEED
N	1.9	6,3	2,6	.5								11.2	5.6
NNE	1.5	4.9	1.0	• 3								7.1	5.3
NE	,7	2,6	,7									3.9	3.0
ENE	.7	1.0	.7									2.4	5.1
E	1.0	1,2	,2									2.4	4.1
ESE	• 2	.7										. 9	4.8
SE	.3	,3	•2		<del></del>							. •	5.0
SSE		.2							1			•2	6.0
S	1.2	2.2	,3					1		1		3,7	4.5
SSW	.9	3,9	1.2	• 2				ļ ————	1	<del></del>		6.1	5.4
sw	, 9 , 3	4.4	.7	• 2		<u> </u>						5.6	5.3
wsw	1.5	4.9	1,9						<b></b>		<del></del>	8.3	5,3
w	1,5	4,3	1,4	• 2		<del> </del>						6.6	5.6
WNW	.7	.9		,2			ļ		<b></b>			1.7	4.7
NW	1.9	3.4	3.1	9.2				1	T			8,5	5.7
NNW	2.2	3,2	2,6	92			<u> </u>	<u> </u>	<del>                                     </del>			8.2	5.4
VARBL						<del> </del>		-	† — — — — — — — — — — — — — — — — — — —	<del></del>			
CALM	>	> <	> <	> <	><	$\geq \leq$	$\times$		>		> <	21.5	
	15.8	44.5	16.4	1.9								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 587

NNW VARBL CALM

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MART	IN MARI	ETTA A	IRFIEL	D MD		70	•78						IUG
STATION		-	STATION	I NAME			EATHER		•	/EARS	<del></del>		0900	)=1100 5 (L S.Y.)
		_				con	ADITION							
	SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	.8	3,7	3,4	1.2								9.1	7.1
	NNE	.7	1.8	4,2	.8								7.5	7.7
	NE	.5	2,3	2,0					<u> </u>				4.9	6.1
	ENE	.8	1.2	1,9	9.7								4.6	7.1
	ŧ	1.1	2,7	,5	,3		<u> </u>						4.6	5.2
	ESE	,5	2,4	,5									3.5	4.9
	SE	, 5	3,4	1.8									5.7	5.7
	SSE	.4	2.0	3,0	,3								3.7	6.8
	S	1,8	4.2	3.3	.1		1						9.3	5.7
	SSW	, 3	2,4	2,6	14								5,7	6.8
	SW	.7	3.1	, 8	.1								4.7	5.6
	WSW	,5	2.7	2,4	.5								6.2	6.8
	w	.8	1.9	3.0	13								6.0	6.8
	WNW	.3	. 8	1.1	1.5								2.7	7.6
	NW	. 3	1.5	2.4	8 .					I			5.0	7.9
	NNW	, 5	2.3	2.2	1.6								6.6	8.0

TOTAL NUMBER OF OBSERVATIONS 738

100.0

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOUPLY OBSERVATIONS)

4 ION	MART	IN MARI	ETIA A		.U MB		70.	•78	<del></del> ,	EARS				IONTH
						ALL WE	ATHER	· · · · · · · · · · · · · · · · · · ·					1200	1400 (L s.T.)
						CON	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 54	%	MEAN WIND SPEED
Г	N	, 3	2.8	2,6	• 6								6.2	7.2
	NNE	.1	.7	1,4	. 8								3.1	8.1
Г	NE		1,4	1.8	• 3								3.5	7.5
	ENE		1.1	1,0	, 3								2.4	7.4
	E	, 4	2,5	2.6	• 1								3.7	6.7
	ESE	. 3	2,9	2,6	• 1								6.0	6.7
	SE	,7	3,3	11.2	1.2								16.5	7.9
_	SSE	, 4	3,6	12,3	3.1								19.4	8.5
	S	• 1	2.1	5,3	1,5								9,0	7.5
	SSW	• 1	. 6	1.4	• 1								2.2	7.5
	sw		. 8	1.5	•1								2.5	7.8
	wsw		7	1.1	. 1								1,9	7.6
L	w		1.1	3.5	6	. 3							5,5	8,9
	WNW		1.0	1.9	4								3.3	7.9
L	NW		.6	3.1	.6								4,2	8.9 7.9 8.9 7.9
Ĺ	NNW		2.5	3.6	. 4								6.5	7.9
1	VARBL													

TOTAL NUMBER OF OBSERVATIONS

100.0

USAFETAC  $_{
m JUL~64}^{
m FORM}$  0-8-5 (OL+A) previous editions of this form are obsolete

1

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MART	IN MARI	ETTA A	IRFIEL	D MD		70	•78						IUG
STATION			STAT.OI	I HAME		ALL WE	ATHER			YEARS			1500	1987H )=1700 5 (c.s.7.)
						COM	DITION							
	SPEED (KNTS) DIR.	1 . 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
	N	•6	2,6	3.9	,6								7.8	7.2
	NNE	,2	.6	•6	•6								2.0	8.1
	NE	,3	lel	.8									2,2	5.9
	ENE	, 2	2,3	1.2									3,7	6.0
	ŧ	.5	2.5	2.5	15								5,9	7.1
	ESE	. 8	1.1	1.1									3.0	5,6
	SE	. 3	4.2	6.7	. 3								11.5	7.2
	SSE	.6	5.6	11.8	2.6								20.7	8.2
	5	.5	4.0	8.4	4.5	. 2							17.6	9.0
	SSW	. 2	. 8	1.7									2,6	7,3
	sw	. 2	1.2	15	• 2								2.0	5.9
	wsw	. 2	1.2	1.1			2						2.6	7,3 5,9 7,7
	w	,3	1.2	3.0	13								4.8	7.8
	WNW		. 8	2.2	. 3								3,3	8.3
	NW	.5	1.1	2.2	12								3,9	7.2
	MMM		1.4	2.0	. 3	.2							3,9	8.2
	VARBL													

TOTAL NUMBER OF OBSERVATIONS

1 (,

€.

### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS 519

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

44	MART	IN MAR	IETTA A	AIRFIEL	D MD		70-	•78 <u> </u>					A	UG
ON			STATIO	M NAME					•	PEANS				ONTH
						ALL W	EATHER						1800	-2000
		-				ć	LA96				<del></del>		HOUR	(L # Y.)
		-				(0)	IDITION							
	SPEED (KNTS) DIR	1 - 3	4 · 6	7 · 10	11 - 16	17 - 21	22 · 27	26 - 33	34 - 40	41 · 47	48 - 55	≥56	,	MEAN WIND SPEED
	N	1.9	4.0	1.7		<u> </u>	ļ ———		<u> </u>				7,7	4,9
	NNE	1.3	1.9	,6	• 2		<del> </del>	<del></del>		<del> </del>			4.0	4.B
	NE	.6	1.2	,6					<del> </del>	l		· · · · · · · · · · · · · · · · · · ·	2.3	5.4
}	ENE	.4	1,9			<del></del>				t		·	3.5	6.1
	ŧ	.6	2.1	2.7					<del> </del>	·			5.4	6.4
	ESE	.2	2.3	1.9					<del></del>				4.4	6,3
	SE	. 8	1.7			<del></del>				l			3.9	5.6
	SSE	1.2	2.7	1.2	.4								5,4	5.3
	S	3.3	9.8		1.2								25.2	6.5
	SSW	1.0	2.9	. 8		<u> </u>							4.6	5.0
	sw	-4	1.7	.2		<del></del>	<del></del>						2.3	4.8
	WSW	<u> </u>	1.5	.4	• 2					1			2.1	6.1
	W	.6	1.5	.6	.4								3.1	6.1
	WNW	.2	1.0	1.9									3.1	6.1 7.5
	NW	1.2	1.9	.6	•6								4.2	6.0
	NNW	1.2	1.5	1.0	•6	.2							4.4	7.0
	VARBL													
	CALM				> <	$\supset \subset$		$\geq <$	><	$\supset <$	$\searrow$	><	14.3	
			•••				<del></del>						100	- ^

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744 STATION	MART	IN MART	ETTA A	IRFIEL	D MO	<del></del>	71.	78		YEARS				UG
		_				ALL WE	ATHER						2100	=2300 (L 1.1.)
		-				CON	ROITIG							
	SFEED (KNTS) [ ,R.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	4 <b>8</b> · 55	≥ 56	*	MEAN WIND SPEED
	N	1.5	1.1	1.1							T		3,7	4.7
	NNE	.4	2,6	• 7		.4							4.1	6.3
	NE	.7	. 4		•7								1.9	6.6
	ENE	.4	1,5										1.9	4.2
	E	1	1,9	,7						<del> </del>			2.6	6.1
	ESE	.7	1,5	3,0									5.2	6.6
	SE	1	•7	2.6						T	i		3.4	8.2
	SSE	<b>†</b>	.7		<del></del>								.7	5.5
	S	2.2	8.2	2,6	2.2								15.4	6.6
	SSW	.4	3,7	.7	•7								5.6	5.9
	sw	.4	1.1										1.5	3.8
	WSW	1.1	2,2										3,4	3.8
	W	1.5	.4	,4	.4								2.6	5.4
	WNW		1.1	1,5									2,6	8.0
	NW	1.1	1.9		•4								3.4	4.6
	NNW	1.5	1,9	1.1	.4								4.9	5.6
	VARBL					i -								
	CALM		$\geq <$	$\geq$	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$	><	37.1	

TOTAL NUMBER OF OBSERVATIONS 267

11 (

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MART	IN MARI			D MD		<u>70•</u>	•78						UG
STATION			STATION	HARE		ALL WI	EATHER			YEARS			A	enta L <u>L</u>
		-					LASS						MOURS	(L.S.T.)
						co	HDITION							
		_												
	SPEED (kits) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥56	*	MEAN WIND SPEED
	N	1.1	3.6	2.8	• 6								8.0	6.4

SPEED (A:-TS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.1	3,6	2.8	•6								8.0	6.4
NNE	,7	2.0	1.6	• 5	•0							4.8	6.7
NE	. 4	1.6	1.2	•1								3.3	6.2
ENE	.4	1.5	1.1	• 2								3.2	6.
Ę	.7	2,2	1.6	• 2								4,7	6.2
ESE	.4	1.9	1.4	•0					J			3.7	6.0
SE	, 5	2.6	4.4	. 3								7.7	7.2
SSE	• 5	2,7	5.5	1.2								9.9	7.9
S	1.4	4.6	5,2	1.5	•							12.7	7.2
\$SW	.4	2.2	1.5	• 2								4,3	6.2
sw	, 3	2,2	•7	• 1								3.3	5.7
WSW	• 5	2,2	1,3	. 2		• 0						4,2	6.3
w	,6	1.9	2,2	• 3	, 1							5.1	7.1
WNW	• 2	. 9	1.4	. 3								2.8	7.6
NW	,7	1.6	2,2	. 5								5.0	6.9
WMM	. 8	2.2	2.2	•6	. 1							5,9	7.1
VARBL													
CALM		><	><	><	><	> <	><	><	$\supset <$	><	$\geq$	11.2	
	9.5	35.7	36.4	6.9	. 2							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 3478

10

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MART	IN MARI	ETTA A	IRFIEL	רא ס.		70•	-78					Ş	SEP
STATION			STATION				4			FEARS				MONTH
						ALL WI	ATHER						0600	0080-0
		_				¢	LA96						HOUR	8 (L S.T.)
						con	IDITION							
		_												
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
	N	1.8	5.0	2.0	• 4								9.1	5.4
	NNE	.9	3,6	2.9	. 4								7,7	6.3
	NE	1,6	4.1	2.0	.4								8.0	5.7
	1		3 0				<del> </del>	<del></del>					7 6	- 1

(KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	WIND SPEED
N	1.8	5.0	2.0	• 4								9.1	5.4
NNE	.9	3,6	2.9	. 4								7,7	6.3
NE	1.6	4.1	2.0	, 4								8.0	5.7
ENE	1.2	1.8	. 4	• 5								3.9	5.4
E	• 5	1.2	.7	• 2								2.7	6.0
ESE	, 2	1.6										1.8	5.0
SE	,4	1.8	• 7									2.9	6.1
SSE	1.1	9										2.0	3.8
S	.7	1,4	1.8									3.9	5.7
SSW	.7	2,3	1,8									4.8	5.7
sw	1.6	1.8	1.2									4.6	5.2
wsw	1.2	2.0	,7	• 2								4.1	5.4
w	•7	3,4	1.8									5.9	5.5
WNW	. 9	2.0	, 2									3.0	4.5
NW	• 7	3.7	1.2									5.7	5.5
NNW	1.2	3,2	2.7			<u> </u>						7.1	5.8
VARBL													
CALM	$\sim$	> <	$\geq$	$\geq \leq$	$\geq \leq$	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	22.8	
	15.5	39.8	20.0	2.0								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 561

MARTIN MARIETTA AIRFIELD MP

### SURFACE WINDS

SEP

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

70-78

l		STATIO	HAME						YEARS				ONTH
					ALL WE	ATHER						0900	-1100
	_					LASS						NOUB	(L.S.T.)
					CON	DITION							
<u> </u>						Τ	ı	<del></del>	<del></del>	T	· · · · · · · · · · · · · · · · · · ·		
SPEZD (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.4	2.4	3.2	• 5				<del> </del>	<u> </u>	1		6.9	7.7
NNE	,4	1.3	3.8	•4								5.9	8.0
NE	. 8	2.1	4.2	• 3					1			7.5	7.1
ENE	.6	2.3	2,4	• 1								5.4	6.6
E	1.6	2.0	2,7	• 3								6.5	6.2
ESE	• 7	2.5	1.4	• 4		i		ĺ	1			5.1	6.2
SE	1.1	2.0	1,7	• 1								4.9	5.6
SSE	1.0	2,4	1.6	• 1								5.1	5.8
S	,6	4,7	3.0	• 6								8.8	6.5
ssw	• 0	1.8	2.1									4.5	6.4
sw	• ರ	2,4	1.1	• 0				L				4.9	6.0
wsw	, 3	2,4	2,3	.3								5.2	6.9
w	. 4	3.0	2.4	• 5								6.6	7.0
WNW	. 3	1.4	2.1	. 4								4.2	7.9
NW	- 1	1.0	2.4	9 5	.1							4.5	9.3
NNW	, 3	. 7	2,8	1.4		<u> </u>	<u> </u>		<u> </u>			5.2	9.2
VARBL							<u></u>	<u> </u>	<u> </u>				
CALM	><	$>\!\!<$	><	$\geq \leq$	> <		$\geq \leq$	$\geq \leq$	$\geq \leq$	><	$\geq \leq$	8.6	
	10.0	34.3	39.3	7.6	.1							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 708

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SI EED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MO	70-78	SEP
STAYION	STATION NAME	YEARS	MONTH
	ALL	WEATHER	1200-1400
		CLASS	HOURS (L S Y )
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	. 4	1.9	5:2	• 4								7.9	8.1
NNE	•4	1.1	1.1	•1								2.9	6.4
NE	, 1	1,3	1.9	•4								3.7	7.7
ENE	.4	1.3	2.4	• 4	• 1							4.7	7.7
E	,7	2,6	1.7	• 4				İ		T		5.5	6.6
ESE	. 3	3,9	4.2	• 4								8.8	7.1
SF	• 6	3.2	6.3	• 3								10.3	7.3
SSE	• 1	1.9	8.5	1.1								11.6	8.5
S	•7	4.9	4,4	1.3								11.3	7.4
ssw	. 3	$\overline{1}$ , $\overline{1}$	1.0									2.4	6.2
sw	, 4	1.1	1.0	• 4					I			3.0	6.8
wsw		2,3	1.6	• 4								4.3	7.3
w	1	1.6	2.9	1.0								5.6	8.6
WNW		1.0	2.7	• 5					Ĺ			4.3	8.8
NW	, 3	.7	3,4	1.6								6.0	9.5
NNW	• 1	1.4	2.7	9								5.2	8.4
YARB!													
CALM	><	$\geq \leq$	$\geq <$	> <	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq <$	$\geq$	2.4	
	5.2	31.3	51.1	9,9	.1			İ				100.0	7,6

TOTAL NUMBER OF OSSERVATIONS 697

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744 STATION	MART	IN MARI	ETTA A	IRFIEL	מא ם.		70-	78		reads				EP
STATION			STATION			ALL WE	ATHEK						1500	)=1700 (L 17.)
						con	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	4) - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N		. 8	2.7	1.5	• 2							5.2	10.1
	NNE	, 2	1.0	9 8	• 2								2.2	7.0
	NE	, 2	1.8	.7	• 7	,2							3.5	7.7
	ENE	• 2	1,7	1.3	1.2								4.4	8.0
	E	1.0	3,7	. 8	• 2								5.7	5.3
	ESE	,3	2,7	1.3	• 2								4.5	6.1
	SE	, 5	5,5	5,5	-2								11.7	6.6
	SSE	1.7	5,4	9.2	1.2						ļ		17.4	7.4
	5	.8	3,2	7,5	1.2							I	12.7	7.9
	55W	• 2	. 8	1.7		,2					ļ		2.8	8.3
	SW		1.2	1.0							ļ <u>.</u>	<b> </b>	2.2	6.7
	WSW	.3	1.2	1.3	2						<del> </del>		3.0	7.0
	W	.5	2.0	2.5	•3	<b></b>							5.4	6.9
	WNW	• 2	1.5	2.8	. 3						<del> </del>	<del> </del>	3,9	8.5
	NW	• 2	1.5	3,4	1.3						<del> </del>	ļ	6.4	8.5
	VARSL	• 2	1.2	3,5	1.0					<del> </del>			5,9	8.9
													3.2	
	CALA			$\leq$									7.2	

TOTAL NUMBER OF OBSERVATIONS 597

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 $t \perp$ 

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARTETTA AIRFIELD MO	70-78	SEP
STATION	STATION NAME	YEARS	MONTH
	AL L	WEATHER	1800-2000
		CLASS	HOURS (L S.T )
		CONDITION	<del></del>

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.0	3,9	2.4	•6								8.8	5.0
NNE	.4	1.6	2.0	• 2								4.1	6.
NE	.4	2.4	1.4	• 5								4.7	6.
ENE	• 6	2.0	8.	• 2	.2							3.9	6.6
E	. 3	1,8	.6	• 2			1			1		3.3	5.7
ESE	.6	1.6	1.0	• 4								3.5	6.
SE	1.2	1.4	1.2	• 2,								3.9	6.0
SSE	•6	2,2	1.0							1		3.7	5.
5	2.4	8,6	6.1	• 4		i			1			17.5	6.
SSW	• 6	3.1	.6									4.3	5.0
SW	. 5	2,2	• 2						1			3.1	4.
WSW	. 2	1,8	, 8	• 2					1	1		2.9	6.
w	.8	1.4	1.4	• 2				<u> </u>	<b> </b>			3.7	6.
WNW	94	1,2	1.0				1			1	1	2.6	5.
NW	.4	2,2	1.2	• 2		<del></del>	†	1	1	<del> </del>		3.9	6.
NNW	1.2	3,5	. 8	• 2					<u> </u>	<del> </del>		5.7	5.
VARBL								T					
CALM	><	> <	>	><	> <	> <				$\geq$		20.0	
	13.4	40.7	22,2	3,5	. 2							100.0	4.

TOTAL NUMBER OF OBSERVATIONS 509

MARTIN MARIETTA AIRFIELD MO

### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

SEP

261

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

70-78

	_	<del></del>				TATHE'S						2100	=2300
	-				con	(DITION	77						
SPEED (KNTS) DIR	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	96	MEAN WIND SPEED
N	, ö	3.1	1.9	• ಟ					†	· · · · · · · ·		6.5	7.1
NNE	1,9	1.9	1.9									5.7	5.6
NE	.4	1.9	1.1	• 13		<u> </u>	<b></b>					4.2	7.5
ENE			1.9	.4			Ť					2.3	9.5
E	.4	1.5	2.3	• 4			-					4.6	7.2
ESE	1	1.5	1.1	• 15						<u> </u>		3.4	7.8
SE		. 8	3.8	1.1								5.7	9.4
SSE			• 8									• 8	8.5
S	1.9	3,1	3.8									8.8	6.3
SSW	. 0	2,7	1.5	• 0								5.7	6.5
SW	.4	1,9	.4	. 4								3.1	6.3
wsw		2,7	• 8				I					3.4	5.8
w	1	3.8	,4									4.2	5.5
WNW	ن و	1.1	• 4									2.3	5.2
NW	1.1	2.7	iel									5.0	4.8
NNW	1.9	4.2	. 8									6.9	4.3
VARBL													
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	> <	$\geq$	$\geq \leq$	$\geq$	> <	27.2	
						I			I	1			

USAFETAC  $\frac{\text{FORM}}{\text{JUL-64}}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARTETTA AIRFIELD MD	70=78	SEP
STATION	STATION NAME	YEARS	NONTH
	AL L	WEATHE.	ALL
		CLASS.	HOURS (LS T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	49 - 55	≥56	*	MEAN WIND SPEED
N	.8	2.7	3.1	• 7	٠.0							7.4	7.3
NNE	.6	1.7	2.1	• 2								4.6	6.8
NE	.6	2.2	2.0	•5	•0							5.4	6.5
ENE	•6	1.6	1.6	•5	.1							4.3	7.0
E	٧.	2,2	1.5	• 3					<u> </u>			4.9	6.
ESE	.4	2.5	1.6	• 3			1			<u> </u>		4.8	6.
SE	•7	2,6	3.3	•2								6.8	6.6
SSE	8.	2.3	4.0	•5								7.6	7.6
3	1.0	4.4	4.4	•7								10.5	6.8
SSW	.5	1.9	1.5	•1	.0							3.9	6.
sw	.7	1.7	, 9	•2	·····					<del></del>		3.6	5.8
wsw	.4	2.0	1.3	•2								4.0	6.
w	•4	2,4	2.1	•5	·							5.4	6.9
WNW	.4	1.2	1.7	• 3								3.6	7.6
NW	.4	1.8	2.3	• 5	•0							5.3	7.8
NNW	.7	2.1	2.4	•7	<del></del>							5.8	7.7
VARBL									1				
CAIM	><	> <	> <	> <	$\times$	>	>>	>	$\supset$	><	$\times$	12.0	
	9.8	35.4	35.9	6.7	. 2							100.0	6.

TOTAL NUMBER OF OBSERVATIONS 3334

1 6,

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MAKIETTA	A AIRFIELD MO	70	<b>,=78</b>			JCT
BTATION	81	FATION NAME	<del></del>		YEARS		MONTH
			ALL WEATHER	<b>\</b>			0600-0800
			CLASS				HOURS (L S.T.)
			COMBITIO				
						1	

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.0	5.5	2.7	• 5	_							10.7	5 • 5
NNE	1.3	4.1	1.6	• 7								7.7	6.3
NE	1.1	3,0	1.6	• 5								6.6	6.3
ENE	• 9	1.3	1.4		. 2							3.8	6 . :
E	• 5	. 9		• 2								1.6	5.4
ESE		.4										.4	6.0
SE		.4			.4							.7	12.0
SSE	.4	.4	• 5									1.3	5.4
5	,4	,7	1.3	• 2								2.5	7.
5SW	. 5	2.1	• 2									2.9	4 .
sw	.7	2.1	,7	• 4								3,9	5.
WSW	1.3	1.3	2.0						<del></del>			4.5	5.
w	•7.	4,8	3,2	• 4	. 2				<del></del>			9.3	6.
WNW	.7	3.4	2.0	• 2								6.3	6.
NW	2.3	3,2	1.3	.5								7.3	5.
NNW	,7	2.7	2.3	• 9		l			1			6.6	6.
VARBL						l	-	1		1			
CALM	$\searrow$	> <	$\times$	$\times$	> <	$\supset <$	$\geq$	$\supset$	$\geq$	><		24.0	
	13.4	36.3	20.8	4.5	.7							100.0	4.

TOTAL NUMBER OF DESERVATIONS 550

1 6

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MD	70-78	йCТ
STATION	STATION NAME	YEARS	MONTH
	AL <b>L</b>	WEATHER	0600-0800
		CLASS	HOVES (L.S.T.)
		CONDITIO	

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.0	5.5	2.7	• 5								10.7	5.9
NNE	1.5	4.1	1.6	• 1								7.7	6.3
NE	1.1	3.0	1.6	• 9								6.6	6.3
ENE	• 9	1.3	1.4		• 2		]					3.8	6.
E	• 5	. 9		• 2								1.6	5.4
ESE		.4										• 4	6.0
SE		.4			. 4							.7	12.0
SSE	. 4	• 4	• 5									1.3	5.4
S	• 4	• 7	1.3	• 2								2.5	7.4
ssw	, 5	2.1	,2									2.9	4.3
sw	,7	2.1	• 7	• 4								3.9	5.
WSW	1.3	1.3	2.0									4.5	5.8
w	.7.	4.8	3.2	• 4	. 2				Ĭ			9.3	6.5
WNW	,7	3.4	2.0	• 2								6.3	6.3
NW	2.3	3.2	1.3	. 5			T					7.3	5.3
NNW	,7	2.7	2.3	. 9								6.6	6.9
VARBL													
CALM	>>	> <	$\geq$	><	$\geq <$	$\geq$		$\geq <$	$\geq <$			24.0	
	13.4	36.3	20.8	4.5	.7							100.0	4.

FOTAL NUMBER OF DESERVATIONS

559

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARTETTA AIRFIELD MO	7n <b>⇒7</b> 8	UCT
STATION	STATION HOFETS	YEARS	MONTH
	A	LL WEATHER	1200-1400
		CLASS	HOUSS (L S T.)
		CONSILION	<del></del>

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.4	1.1	2.8	1.4	• 3							6.0	9.2
NNE	.6	ر ت .	1.5	<b>ن</b> •								2.6	7.4
NE	• 1	1,2	2.6	• 7					1			4.7	8.3
EHE	.4	1.5	4.2	1.0								7.1	8.1
5	. 8	1,5	3.1	• 7						<del></del>		6.1	7.2
ESE	.4	2.8	2.9	•1					İ	1		6.2	6.4
SE	.4		4.9	• 3								9.7	6.7
SSE	.3	2.9	4.9	1.4					<u> </u>			9.4	7.9
S	•1	3,1	2.5	•6	• 3				1			6.5	7.6
SSW		1.1	1.1	•1	•1					1		2.5	7.9
SW	.6	• 6	1.2	• 3					1	<u> </u>		2.6	7.2
wsw	.7	1.2	1.1	• 8	•1			İ		<u> </u>		4.0	7.8
w	.3	1.9	3.3	1.0	.4	•1						7.9	10.0
WHW	.1	. 8	3.3	1.7	, 3							6.2	10.3
NW	.3	1.5	4,3	2.8	.6							9.4	10.1
NNW	.1	1.0	2.5	1.5	.4							5.8	10.1
VARSL							<del> </del>	<del>                                     </del>	<del></del>	1		1	
CALM		> <	> <	> <	>>	>>	$\times$	>	$\geq$	>		2.9	
	5.7	26.8	46.5	15.4	2.5	1						100.0	8.1

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

BTATION N	STATION MARIETTA AIRFIELD MI	70-78	YEARS	<u>ОСТ</u>
		ALL WEATHER		1200-1400 HOUSS (L S.T.)
		CLA SE		HOUSE (L S.Y.)
		CONDITION		
		COADITOR		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.1	2.8	1.4	.3							6.0	9.2
NNE	.6		1.5	ذ •								2.6	7.4
NE	•1	1.2	2.6	• 7					<b></b>			4.7	8.3
ENE	.4	1.5	4.2	1.0								7.1	8.1
F	• ರ	1,5	3.1	•7								6.1	7.2
ESE	.4	2.8	2.9	• 1								5.2	6.4
SE	.4	4.2	4.9	€.							1	9.7	6.7
SSE	,3	2.9	4,9	1.4								9.4	7.9
\$	• 1	3.1	2.5	• 0	. 3							6.5	7.6
SSW		1,1	1.1	• 1	• 1							2.5	7.9
SW	• 6	•6	1.2	• 3								2.6	7.2
wsw	•7	1.2	1.1	• 5	• 1							4.0	7.8
w	د و	1,9	3.3	1.6	.4	• 1						7.9	10.0
WNW	• 1	. 8	3,3	1.7	.3							6.2	10.3
NW	, 3	1,5	4.3	2.5	.6							9.4	10.1
NNW	. 1	1.0	2.5	1.5	.4							5.8	10.1
VAREL													
CALM		$\times$	><	><	$\times$	> <	$\geq$	> <		$\supset <$		2.9	
	5.7	26.8	46.5	15.4	2.5	.1						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 720

93744

MARTIN MARIETTA AIRFIELD MD

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## SURFACE WINDS

OCT

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

70-78

		STATIO	HAME					'	PEARS				MANA
					ALL WE							1800	-2
					C	LANG						Neve	(L.S.
	_					BITION				<del></del>		•	
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	44 - \$5	5#	*	W SF
N	2.8	2.2	1.5	• 4								6.8	
NNE	.7	2,6	•7	•4								4.4	
NE_	,7	2.2	1.3									4.3	
ENE	.7	1.8	1.7	• 4		<u></u>						4.6	
ŧ	• 6	1.5	2.0	• 2								4.3	
ESE	,4	, 9	,7									2.0	
SE	. 4	1,1	• 2									1.7	
SSE	• 2	, 9	•7									1.8	
5	1.1	4,3	2.8	• 4								8.5	
SSW	1.1	1.1	.4									2.6	
sw	•7	, 9	.4	• 2								2.2	
wsw		•6		• 2								1.3	
w	.9	2,4	, 4	• 7		<u> </u>		<u></u>				4.4	
WNW	,6	1.1	3,3	1.5				Ĺ				6.5	
NW	2.0	3.1	3.0	ز و ا	• 2		<u> </u>					9,8	
NNW	2.0	2,0	2.6	• 4	.2	l						7.2	
VARBL													
		$\sim$	$\overline{}$		<u> </u>	$\sim$					$\sim$	27.5	

TOTAL NUMBER OF OBSERVATIONS

541

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

281

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	MARI	IN MAKI	E I I A A		יוח ט		70	• / 8		rears				IC
•••		_				ALL WE	ATHER						2100	=2300
		-					DITION				<del></del>			
	SPEED (KNTS) DIR.	1 · 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	×	MEAN WIND SPEED
	N	1.5	2,8	2.5	•7								7.8	6.4
	NNE	•7	3,2	,4									4.3	5.4
	NE		2.1	1,4	•4								3,9	6.9
	ENE	1.1	1.4	1.8	• 4								4.6	6.4
	ŧ	.4	2.1	•7		_							3.2	5.8
	ESE	.4	2.5	1.1	•7								4.6	6.2
ĺ	SE		1.1	• 4									1.4	6.5
	SSE			• 4									• 4	8.0
	5	.4	3.2	1.8			L						5.3	5.8
	SSW	1.4	, 4	. 4	•4								2.5	5.6
	\$W	,7	,7										1.4	3.3
	WSW	• 4	1.4	•7									2.5	5.7
	w		2.1	1.8					L				3.9	7.2
	WNW	.7	3,6	1.8	2.1	. 4							8.5	8.5
	NW	1.4	3,6	1.1	. 4								6.4	5.4
	NNW	,7	2,1	.7									3.6	5.3
	VARBL													
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	35.6	
	1	10.0	32.4	16.7		4				I			100-0	4.1

USAFETAC  $_{\rm JUL~64}^{\rm FORM}$  0-8-5 (OL-A) previous editions of this form are obsolete

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MD	76-78		OCT
STATEM	STATION HAME		YEARS	MONTH
	ALL	WEATHER		ALL
		CLA <b>SS</b>		) 5"38 (LISIY.)
		CONSTRUM		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥#	*	MEAN WIND SPEED
N	1.2	2.4	3.2	. 8	.1							7.7	7.7
NNE	•7	2,0	1.7	• 4								4.8	6.
NE	•7	2.0	2.3	•7								5.7	7.7
ENE	.6	1.5	3.1	• 5	•0							5.8	7.4
ŧ	.7	1.8	1.8	• 4								4.8	6.
ESE	. 5	1.5	1.2	• 1								3.3	5.0
SE	, 5	2.4	1.9	• 1	• 1							5.0	6.4
SSE	.4	2.0	2,0	• 3		<u>. {</u> :						4.9	7.0
S	.6	2.8	2,4	•6	.1		•0					6.5	7.
ssw	.6	1.3	. 8	• 1	.0							2.9	5.1
sw	,7	1.2	1.0	• 2								3.0	6.
WSW	•6	1,3	1,2	• 2	ن و				i			3.3	6.
w	, 4	2.2	2.6	1.0	, 3	ا						6.5	8.
WNW	.3	1.5	2.9	1.4	• 1							6.1	9.
NW	1.1	2.3	3.6	les	.2							8.9	8 •
NNW	.7	1.6	2.7	1.2	• 1							6.3	8 .
VARBL													
CALM	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	14.6	
	10.4	29.9	34.3	9.5	1.0	.1	٥					100.0	6.

TOTAL NUMBER OF OBSERVATIONS 3470

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3744	MART	IN MART			OM Q		70.	·78						ΙΦΥ
STATION			STATIO			ALL WE	ATHER		· · · · · · · · · · · · · · · · · · ·	YEARS			0600	)=0800 (L8.7.)
						CON	DITION				natura di Sanan			
	SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 · 40	41 - 47	44 - 55	≥34	*	MEAN WIND SPEED
	N	1,8	2,7	1.8	• 3			İ					6,6	3.4
	NNE	1.5	2.7	1.2									5.4	5.0
	NE	.6	1.2	2.4	• 3						,		4.5	6.9

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥34	*	MEAN WIND SPEED
N	1,8	2,7	1.8	• 3								6.6	3.4
NHE	1.5	2.7	1.2									5.4	5.0
NE	•6	1.2	2.4	• 3								4.5	6.9
ENE	6.	2.1	3.0	•6								6.0	7.8
E	•6	1.8	• 9									3.3	5,9
ESE			,3									.3	5.0
SE	, 9		, 3									1.2	4.3
SSE		. 9										.0	4.3
S	•6	1.2	1.5	• \$								3.9	7.0
SSW	• 6	1.2		• 3								2.1	3.1
SW	, 9	•6	, 3									1.8	4,0
wsw	1,5	3,6	2.1	• 0								7.9	6.0
w	, 9	6,3	3,6	2.7								13.6	7,4
WNW	9	2.1	1.2									4.2	5.3
NW	6	3,3	2,1	1.5				L				7.6	7.3
NNW	2.4	2.4	2.4	• 6	. 3							8.2	6.0
YARBL													
·:ALM	$\searrow$	$\times$	$\times$	$\geq \leq$	$\geq$	$\geq$	> <	$\geq$	$\geq$	$\geq \leq$	$\geq \leq$	22,4	
	14.2	32.3	23.3	7.6	.3							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARTETTA AIRFIELD MO	0~78		NOV
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		0900-1100
		CLASS		HOURS (L.S.T.)
		COMBITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	1.4	2.9	2.9	•7	• 1							8.0	6.8
NNE	•6	1,9	1.0	<u>ر.                                    </u>								3.7	6.1
NE	1.0	2.1	2.4	,4								6.0	6.7
ENE	• 6	2.4	3.9	+4								7.3	7.5
ē	1.3	2.3	2.1	• 3								6.0	5.9
ESE	.3	1.3	•4									2.0	4.9
SE	•4	1.4	•7									2.6	5,4
SSE	.4	, 9	1.4									2.7	5.4
5	9	2.0	1.9	• 4								5.2	6.4
SSW	.9	2.0	1.0	• 4								4.3	6.0
\$W	.9	1.0	1.0	• 1					T			3.0	5.4
wsw	. 4	1.7	2.6	1.3								6.0	8.1
w	. 6	2.0	4.9	2,4	, 9							10.7	9.9
WNW	. 3	1.7	4,0	2.4	. 1		Ī					8.6	9,2
NW	. 3	.7	3.0	2.7	.6	. 1						7.4	11.0
NNW	.4	1.0	2.4	1.9	. 3							6.0	9.3
VARSL									I				
CALM	><	> <	> <	><	><			$\geq <$	$\supset <$	$\supset <$	><	10.3	
	10.6	27.4	35.7	13.5	2.0	. 1						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 698

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MD	70-78	ΝOV
STATION	STATION NAME	YEARS	MONTH
	ALL V	WEATHER	1200-1400
		GLANG TO THE PROPERTY OF THE P	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.2	2.9	1.2	·							5.6	8.4
NNE	• 3	1.6	1.6							<u> </u>		3.5	6.
NE	.4	1.4	1.2	• 1								3.2	6.1
ENE	.4	2.2	1.7	•6						····		4.9	7.
	.6	2.0	1,9					1				4.5	6.
ESE	• 0	2.9	1.6						1			5,1	5.
Sc	.4	3,8	3.2	•1								7.5	6.
SSE	.6	3.9	3,9	• 4				1				8.8	6.
\$	.6	2.9	1.9	2.0					1			7.4	7.0
SSW	. 3	.7		• 4								2.3	7.0
SW	.4	.3	1.2	• 3				<u> </u>				2.2	7.
WSW	,1	•7	1.6	• 4	•1					ļ		3.0	8•
w		2.0	4.5	3.5	.7	• 3		<del></del>	1			11.0	10.
WNW	.3	. 9	4.6	2.3	1.3				<b> </b>	<u> </u>		9.4	11.
NW		1.4	5,8	4.1	.6				1			11.9	10.
NNW	.1	2.2	2.3	1.3	,3	<del></del>						6.2	9.
VARSL							<u> </u>	1					
CALM	X	> <	$\times$	$\times$	> <	$\geq \leq$	$\times$	$\times$	$\geq$	$\geq$	$\times$	3.5	
	5.6	30.1	40.7	16.0	3.0	<u>د</u> و						100.0	8.

TOTAL NUMBER OF OBSERVATIONS 691

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARTETTA AIRFIELD MO	70-78		УФИ
STATION	STATION NAME		YEARS	MONTH
	Α	LL WEATHER		1500-1700
		CLA96		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	44 - 85	≥56	*	MEAN WIND SPEED
N	ن	1.6	2.7	• 3	.3					1		5.7	7.3
NNE	• 2	2.8	1.1	• 3								4.4	6.1
NE	• 2	1.9	,3	• 3								2.7	6.5
ENE	. 2	2.2	1.7	• 9								5.1	7.9
E	• 3	1.6	, 9	• 2								3.0	6.1
ESE	1.6	1,9	•6									4.1	4,4
SE	1.6	3,6	, 9									6.3	4.9
358	1.1	3,5	4,3	• 2								9.0	6.2
S	1.3	3.5	3,8	• 9								9.5	7.1
SSW	• 2	, 3	, 9	• 3								1.7	8.1
\$W	,6	1.1	.6	• 5								2.8	6.6
wsw	, 2	. 5	1.6	. 3								2.5	8.6
w	. 5	1.9	4.1	1.3	. 6							8.4	9.2
WNW	. 2	1.9	4,9	3,5	1.3							11.7	10.7
NW	. 3	2.4	4.7	2.1	.6							10.1	9.3
NNW	. 8	2.1	2,2	1.4								6.5	7.9
VARBL													
CALM	$\geq \leq$	$\geq <$	$\geq \leq$	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq <$	$\geq \leq$	6.5	
	9.8	32.9	35.5	12.5	2.8							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 633

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARTETTA AIRFIELD MP	70 <b>~7</b> 8	NOV		
STATION	STATION NAME	YEARS	80078		
	ALL	1800-2000			
		HOURS (L.S.Y.)			
		CONSITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	2.9	3.9	2.0	1								8.8	5.0
NNE	. 2	1.8	• 4									2.4	5.0
NE	.6	1.6	1.8	• 4								4.5	7.0
ENE	1.0	. 8	1.6	1.0								4.5	7.7
E	.4	1,2		04								2.0	5.6
ESE	.4	, 8	• 4									1.6	5.8
SE	. 2	.6										.8	4.5
SSE		1.2	. 8	9.6								2.2	6.7
5	1.4	5.5	2.0									9.0	5.3
55W	,6	1.4	, 4									2.4	4.9
SW	. 4	1.4	. 4									2.2	5.0
WSW		• 6	. 4	•4								1.4	8.3
w	1.4	3.1	1.8	leb	,2							A.2	7.6
WNW	• 2	3,3	4.5	1.3	.6		1					10.4	9.3
NW	1.6	2.0	3.5	2.9								10.8	8.2
NNW	2.2	1.6	1.4	10								5.9	5.8
VARBL													
CALM	$\supset <$	$\times$	> <	$\supset <$	> <	$\supset <$	$\geq <$	$\supset \subset$	><	$\supset <$		22.7	
	13.7	31.8	21.6	9,4	. 8		-					100.0	5,3

TOTAL NUMBER OF OBSERVATIONS 490

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744 STATION	MARTIN MARIETTA AIRFIELD MD	70-78	VOV
STATION	STATION NAME	YRANG	MONTH
	ALL I	HEATHER	2100-2300
		CLASS	HOURS (L.S.T.)
		ONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	49 - 55	≥34	%	MEAN WIND SPEED
N	1.7	3,5	•7									6.0	4.
NNE	.7	1.7	1.2									3.7	5.
NE	. 2	3,2	1.2	• 2	,2							5.2	7
ENE	1.0	2.7	1.5	1.0								6,2	7
E	• 5	.5	•7	• 2								2.0	6
ESE	• 2	.7										1.0	4
SE		.2	1.0									1.2	7
SSE		• 2	.7									1.0	8
5		1.2	2.2	•7								4.2	8
55W		1.2	1,5									2.7	7
SW	• 2	1.0	1.2									2.5	6
wsw	• 2	2.7	• 2									3.2	5
w	.5	4.0	4.0	• 5								8.9	7
WNW	•7	2.7	4.0	1.7	,2							9.4	8
NW	3.5	4.0	3.0	•7	1.0							12.2	7
NNW	3.0	3,5	1.0	• 2								7.7	4
VARBL							1		<u> </u>				
CALM		$\times$	$\times$	$\times$	$\supset \subset$	$\times$	$\supset \subset$	$\supset$	$\supset$	$\supset <$	> <	22.8	
	12.7	33.3	24.3	5.5	1.5							100.0	5

TOTAL NUMBER OF OBSERVATIONS 403

WNW

NNW

CALM

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAR	TIN MARI	ETTA A		D MI)	······	70-	·78		IEANS				IOV
		ALL WEATHER											LL
					Ei	A96						HOUR	(6.67)
					CON	D: 7:0H				<b>-</b> ·			
<u></u>													
SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1,4	2,5	2.3	.5	•1							6.8	6.5
NNE	.5	2,1	1,1	• 1								3.8	5.8
NE	.5	1.9	1.5	• 3	.0							4.3	6.7
ENE	• 6	2.1	2.3	•7								5.7	7.5
E	.6	1,7	1.2	•2								3.7	6.0
ESE	•6	1.5	•6									2.7	5.2
\$E	•6	2.0	1.2	•0								3.8	5.6
SSE	.4	2.0	2.2	• 2								4.8	6.5
\$	.8	2.8	2,3	• 9								6.8	6.8
SSW	.4	1.1	.8	٤.								2.7	6.5
SW	.6	, 9	. 8	٤.								2.5	5.9 7.5
WSW		1.4	1.5	•6	.0				l			3.0	7.4

TOTAL NUMBER OF OBSERVATIONS 3246

9.3

10.0

12.8

100.0

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3,9

2.0

2,8

2.0

10

()

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MO	7∪ <b>∞</b> 78	DEC	
STATION	STATION NAME	YEARS	HONTA	
	ALL	0600-0800		
		CLASS	HOURS (L.S.T.)	
		COMPITION		

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	1.9	1.6	1.6	•6	• 3							6.0	6.6
NNE	2.2	1.6	1.3	• 3								5.4	4,1
NE	1.9	1.9	• 3									4.1	400
ENE	1.3	1.3	2.5							ļ		5.1	6.
ŧ	.6	.6	• 3	.3								1.9	5.0
ESE		• 3	• 3									•6	7.
SE	. 3	• 5	• 3									1.6	5.0
SSE		. 5										•6	6.1
S	. 3	2.2	1.3	• 3								4.1	6.4
SSW	.9	1.6										2.5	3,0
5W	.9	. 6	,3									1.9	4.
W\$W	1.3	1.3	2.2	• 3								5.1	6.
w	6	1.6	5.7	•6	, 3							5.9	8 • 4
WNW	• 6	2,5	6.0	2.2	.0							12.0	9.
NW	1.3	1.9	2,2	2.2	.6							8.2	8.
NNW	2.5	, 9	•6	• 3	. 3							4.7	5.4
VARBL													
CALM	><	$\times$	$\times$	> <	$\times$	$\times$	> <	$\geq$	$\boxtimes$	$\times$	> <	27.2	
	16.5	21.5	25.0	7.3	2.2							100.0	5,

TOTAL NUMBER OF OBSERVATIONS 316

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

658

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MART	IN MARI	ETTA A	IRFIEL	D MC		<u>70-</u>	78		EA <b>B</b>			. <u>D</u>	E C
	_				ALL WF	ATHER						0900	-1100
	_	COMPITION											
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	26 - 33	34 · 40	41 · 47	44 · 55	≥34	*	MEAN WIND SPEED
N	1.1	2,6	2.9	• 3								6.8	6.3
NNE	. 8	1.8	1.7	• 2								4.4	6.2
NE	1.5	2.0	1.2	• 5	.3							5.5	6.6
ENE	.9	2.6	2.0	• 3		<del></del>						5.8	6.0
E	2.1	2.0	•6	• 3								5.0	4.8
ESE	• છે	1.2	, 5									2.4	5.3
SE	ڻ <b>.</b>	1.1	. 5									2.3	4.5
SSE	و •	.8	•3	. 2								1.5	5.6
5	1.1	1.8	2,7	• 3								5,9	6.6
35W	• 3	1.7	1,2	• 2								3.3	4.9
sw	9	2.0	, 8									3.6	4.9
WSW	۶	1.7	1.5							L		4,1	5.8
w	, ö	2.3	4,4	2.7	. 6	.2						10.9	9.7
WNW	<b>.</b> 6	1.2	3.6	3.0	1.8	2						10.6	11.6
NW	5	9	3.3	4,7	. 6				<u> </u>	<u></u>		10.0	11.3
NNW	3	. 8	2.1	1.1								4,3	9.1
VARBL													
CALM												13.4	

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR REATHER SERVICE/MAC

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARTETTA AIRFIELD MO	70-78	DEC
STATION	STATION HAME	YEARS	MONTH
	AL AL	L WEATHER	1200-1400
		ELASS	HOURE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	44 - 55	244	*	MEAN WIND SPEED
×	1.1	2,3	2.0	• 5						İ	İ	5.9	6.4
NNE	.5	1.6	• 8	• 2								3.0	6.0
NE	9.	1,1	1.6	• 3								3.7	6.7
ENE	ل و	2.6	1.4	•8								5.7	6.9
8	. 3	2.0	.8	• 3								3.4	6.4
ESE	.9	3,3	, 9									5.1	5.2
SE	, d	4.5	1.3	• 2								7.3	5.8
SSE	٤.	3,9	1.1	٠٥								6.5	6.1
\$	.2	2.6	2.3	•6								5.7	7.5
SSW		1.4	1.4									2.8	7.2
SW	. 5	1.7	1.2	. 3								3.7	6.6
wsw	2	1.1	1.6	. 5								3.3	8.1
w	.2	1.4	4.2	3.0	. 9							9.6	10.7
WNW	. 2	. 5	3.9	400	2.2	.9						11.6	13.6
NW	. 2	1.1	4.2	6.1	. 3							11.8	11.1
WNN		1.7	1.7	2.2	.2	•2						5.9	10.1
VARBL													
CALM	$\times$	$\times$		$\times$	> <	$\times$	$\supset \subset$	$\supset <$	$\supset \subset$	$\supset <$	$\supset <$	4.8	
	7.1	32.9	30.9	19.6	3.6	lal						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY SPANCH USAFETAC AIR MEATHER SERVICE/MAC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MO	70=78	DEC
STATION	STATION NAME	Y8A100	MONTH
	ALL I	WEATHER	1500-1700
		CLA86	HOVRE (L.E.Y.)
		CORDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	,7	1.4	2.7	•3								5.1	7.
NNE	.7	1,5	1.5									3.7	5.
NE	ذ و	1.5	1.5	. 3								3.9	6.
ENE	.7	1.9	• 5	• 3	. 2							3.5	6.
E	1.9	3.9	1.5									7.3	4.
383	2.2	1.7	• 5									4.4	4.
SE	.7	3.0	. 8									4.6	5.
\$5E		2.7	1.2	• 3								4.2	6
\$	, 5	2.4	3,7	1.4								7.9	8.
SSW	. 3	1.4	1.0	• 3								3.0	6
sw	5.	1.2	1.0	• 2								2.5	6
WSW		1.5	1.5	• 2								3.2	7
w	. 5	1.5	3.5	1.9	, 5							7.9	Ô
WNW	. 3	1.5	6.1	3,5	2.0	• 2						13.7	11
NW	. 2	1.5	5,9	3.7	. 2							11.5	10
NNW	,7	1.4	2.4	2.0	,2							6.6	8
VARBL													
CALM	$\boxtimes$	$\supset <$	$\supset <$	$\times$	>><	$\supset <$	$\supset <$	$\supset <$	$\supset <$	$\supset <$	$\searrow$	6.9	
	10.0	29.9	35.5	14.5	3.0	. 2						100.0	7,

TOTAL NUMBER OF OBSERVATIONS

592

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

7 6

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MD	70-78	DEC
STATION	STATION NAME	YEADS	MONTH
	ALL V	WEATHER	1800-2000
		ELANG.	HOURS (L-0.7.)
		PONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 85	≥34	*	MEAN WIND SPEED
N	.6	2.9	2.1	• 4								6.0	6.6
NNE	2.1	1.7	8 .									4.5	4.0
NE	8	1.0	• 6	. 6								3,1	6.7
ENE	٥ و	1.4	1.0	• 2	, 4							3.9	7.3
£	. 4	1.0										1.4	4.6
ESE	• 2	1.4										1.7	4.4
SE	• 5	1.4	1.0					`				3.1	5.1
SSE	.4	1.4	. 2									2.1	4.2
S	ن و	4.1	4.1									9.9	7.1
\$5W	• 2	1.4	1.0									2.7	6.5
SW	. 2	2.3	, t									3.3	5.5
WSW	. 4	1.9										2.3	4.8
w	.6	2.7	2.7	• 6								6.8	7.3
WNW	1.0	1.2	4.8	4.5	.8	. 2	.2					12.8	11.4
NW	1.2	1.9	3.7	2.5								9.3	8.5
NNW	1.0	1.9	1.0	1.2	• 2	• 2						5.6	8.3
VARBL													
CALM	><	$\geq <$	$\times$	> <	$\ge <$	$\ge$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq <$	$\geq$	21.5	
	11.6	29.8	24.0	11.2	1.4	. 4						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 484

USAFETAC FORM  $_{\rm JUL~64}$  0-8-3 (OL-A) previous entropy of this form are obsolete

GLOBAL CLIMATOLUGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MD	70=78	DEC
STATION	STATION MANE	YEARS	MONTH
	ALL	WEATHER	2100-2300 HOURS (L.S.T.)
			Messe (5.5.1.)
		CANDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥\$4	%	MEAN WIND SPEED
N	1.3	4.5	1.5	• 3				İ				5.6	5,5
NNE	1.3	1.5			.3							3.0	4.9
NE	1.3	1.0	. 8	• 3								3,3	5.2
ENE		1.0	1.5							·	<b></b>	2.5	7.0
E	•3	1.3	.3	• 3			· · · · · · · · · · · · · · · · · · ·	<u> </u>	1	<u> </u>	<u> </u>	2.0	5.8
ESE		. 5	, 5	1.7								1.0	6.3
SE	.3	1.0	, 3				<u> </u>				<del></del>	1.5	4.8
SSE		. 8	• 3	• 5				<u> </u>	<b></b>			1.5	8.0
5	2.0	1.5	3,3	1.0			<b></b>	<u> </u>	<u> </u>	<del></del>		7.9	7.0
SSW	.3	1.0	, 5	•3			t	<del> </del>	<del></del>		<del>                                     </del>	2.0	6.9
SW	1.3	1.0	1.5	7.5				<del> </del>	<del> </del>	<del>                                     </del>	<del> </del>	3,8	5.3
wsw	5	1.5	. 3				<u> </u>	<del> </del>			<del> </del>	2.3	4.9
w	.3	1.5	3.0	2.5				<del> </del>	<del>                                     </del>		<b></b>	7.4	9.4
WNW	ê	1.3	4.3	2.8	. 5			<del> </del>	<del> </del>	<del> </del>	<del></del>	9.6	10.0
NW	1.0	2.5	4.6	2.0	.5		<del> </del>	<del> </del>	· · · · · ·			10.7	8.9
NNW	1.6	1.8	1.3		.3		<del>                                     </del>	<del>                                     </del>				5.6	8.2
VARBL	100	1.00	403	1.0	• •	. 3		<del> </del>			ļ	7.0	906
					$\overline{}$		<b>-</b>	$\leftarrow$		<del></del>		30.3	
CALM	$\geq \leq$	_>_	$\sim$	$\geq \leq$	$\geq \leq$	$\sim$			$\geq$	$\geq \leq$	$\geq \leq$	30.2	
	11.4	21.8	23.9	10.9	1.5	. 3						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 394

GLOBAL CLIMATELLAY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MD	70+78	DEC
STATION	STATION NAME	YEAMS	MORTH
	ALL W	FATHER	ALL
		LASS	HOURS (L.S.Y.)
	Cel	HBITION	

SPEED (KNTS) DIR.	1 - 3	4-1	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥\$4	*	MEAN WIND SPEED
N	1.0	2.2	2.2	• 4	•0							5,9	6.4
NNE	1.1	1.6	1.1	• 1	٠,٥							3.9	5.4
NE	1.1	1.4	1.1	.4	•1							4.0	6.3
ENE	.7	2.0	1.4	• 3	•1				i			4.6	6.6
E	1.0	2.0	.6	•2								3.9	5.2
ESE	. 8	1.6	.5									2.9	4.9
SE	•6	2.2	.9	• ()								3.7	5.3
SSE	.3	1.9	•6	• 3					<del> </del>	<u> </u>		3.1	6.1
5	.8	2.5	3.0	•7				<del></del>	<del> </del>			7.0	7.2
SSW	.3	1.4	1.0	•1					<del> </del>	<del> </del>		2.8	6.4
sw	•6	1.6	1.0	•1					<del> </del>			3.2	5.7
WSW	.5	1.5	1.2	.2								3.3	6.4
w	•5	1.8	3.9	2,1	.5							8.8	9.4
WHW	.6	1.3	4.7	3.5	1,5	• 9	•0					11.8	11.5
NW	.6	1.5	4.1	3.9			- • •			<del> </del>		10.5	10.1
WWW	• 7		1.7		• • • • 2	<del></del>		l			·	3,5	8.7
	• 1	1.4	401	1.4	• • •							7.3	P 1
VARSL							<del></del>	<del></del>	<del></del>		<b>-</b>	15.2	
CALM	> <	> <	$\geq \leq$	> <	> <	> <	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\gg$	12.2	
	11.3	27.6	28.9	13.7	2.7	. 4	• 0					100.0	6.7

TOTAL NUMBER OF OSSERVATIONS 3088

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR REATHER SERVICE/MAC

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DILECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744 STATION	MARTIN MARIETTA AIRFIELD MD	70=79	ALL
STATION	STATION HAME	YEARS	MONTH
	ALL W	EATHER	ALL
		CLAM	HOURS (L.S.T.)
	56	N DITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	244	%	MEAN WIND SPEED
N	ن و	2.2	2.6	• 7	• 1	(	• 0					6.4	7.2
NNE	.5	1.6	1.5	• 3	•0							4.0	6.6
NE	• 5	1.5	1.5	• 4	•0							3.9	6.9
ENE	• 5	1.6	1.6	• 4	.1							4.2	7.2
E	. 8	2.0	1.5	• 3	•0	· C				<u> </u>		4.6	6.4
ESE	.5	1.3	1.2	• 2	.0							3.8	6.2
SE	• 6	2,5	2.6	•3	.0							5.9	6.6
SSE	.6	2.2	3,6	• 7	.0					<u> </u>		7.2	7.6
3	.9	3.2	3.6	1.1	,1	Ü	•0			<del> </del>		8.9	7.4
SSW	,5	1.5	1.2	5.	•0	C						3.3	6.5
sw	. 4	1.3	.9	• 2	•0					<u> </u>		2.8	6.3
WSW	.4	1.4	1.4	• 3	.0	•0	•0	.0				3.6	7.3
w	.4	2.0	3.3	1.7		. 1	• 0			<b></b>		7.8	9.3
WNW	, 3		3.6	2.2	.5	U	.0					8.1	10.1
NW	• 7	1.9	3.7	2.3	.4	1				<b>†</b>		9.1	9.4
NNW	.7	1.6	2.3	1.1	.1	· ·	•0					5.9	8.1
VARSL	<b>_</b>		7, 1,				J.Y.			<del></del>			
CALM	> <	> <	$\times$	>>	$\times$	$\times$	$\times$	><	> <	$\geq$	>>	10.4	
	9.1	29.7	36.2	12.4	1.6	.2	ن	.0				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 37813

GLOBAL CLIMATULOTY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744	MARTIN MARIETTA AIRFIELD MO 70-79	ALL
STATION	STATION HAME YEARS	MONTH
	INSTRU, ENT	ALL
	CLAMS	HOUDS (L.S.T.)
	CIG 200 TO 1400 FT W/ VSBY 1/2 MI DR MORE,	
	CONSTRUCT	
	AND/LR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 • 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	45	*	MEAN WIND SPEED
N	1.3	2.5	2.5	•6	, 1							6.9	6.
NNE	. 0	3.6	3.2	, 9	• 2							8.6	7.
NE	1.1	3.6	5.1	1.5	1							11.7	7.
ENE	1.0	3.7	5.6	2.0	. 4							12.8	8.
Ę	1.1	3.4	3.5	1.0	• 0	• C				L		9.2	7.
ESÉ	,5	1.7	1.4	• 3	. 1							4.0	7.
SE	, 8	2.3	1.3	• 2	• 0							4.5	6.
SSE	• 8	1.6	1.6	•4	• 0	ن						4.5	6.
\$	1,3	3.1	3.2	• 9	. 1	• 0	• 0					8.6	7.
SSW	,5	1.8	, 9	n l	•0							3.3	6.
SW	. 5	1.1	,6	• 1								2.4	5 .
WSW	,4	1.5	• 5	e 1	.0			.0				2.5	5.
w	,4	. 8	. 4	.4	. 1							2.0	7
WHW	. 3	, 4	. 4	• 2	• 1							1.4	7.
NW	. 5	• 7	. 8	•6	. 2							2.7	8.
NNW	, 5	1.2	1.0	94	•0		•0					3.2	7.
VARBL											L		
CALM	><	> <	$\geq \leq$	$\times$	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	11.7	
	11.6	33.2	32.1	9.8	1.5	. 1	.0	.0				100.0	6.

TOTAL NUMBER OF OSSERVATIONS

U B AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART D

#### CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

- 1. Annual all years and all hours combined
- 2. By month all years and all hours combined
- 5. By month by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Chiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minims may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Mavy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "mo ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Reginning in July 1948 for Air Force stations and January 1949 for UBWB and U. S. Mavy stations the "mo ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 0/10 or more, but not more than 1/2 of the aky cover is opaque.

Reginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

u - 1

#### EXAMPLES FOR USE OF CEILING VENEUR VISIBILITY PARKER IN THIS TARRASTOR

Cining.			•				VIÓ	ICANY 16"	ATUTE M	L <b>PO)</b>						
(PET)	≥ 10	61	≥ 5	24	<b>×</b> 1	≥ 214	21	* 14	214	<b>2</b> 1	3 %	3 %	2 W	2 9/16	> 1	2.
CHING																
1												$\leq$	$\simeq$		$\cong$	$\cong$
≥ 1800 ; ≥ 1900					91.0							•	1			93.6
1700																
≥ 1000 ≥ 900									` <del></del>							
> 000																
≥ 100 ≥ 400										ľ						
> 100								•		77.4			1		<b>-</b>	90,1
≥ 406 ≥ 300		<del> </del>			ni Sir			,		4 . 10.25	1/1.		<b> </b>			
<u>}</u> ;;;;;	ļ			<b></b>		4154			ļ	1117						<del>                                     </del>
≥ 100 ≥ 0	١.	į	,	١ .		11.40	44.0	}						ł		100.0

Read coiling values independently of visibility under column at right book for instance, from the table: Coiling  $\geq$  1900 foot = \$0.05. Gilling  $\geq$  500 foot = \$0.15.

ed visibilities independently of estlings on bott Visibility > 3 miles = 95.46. ...Visibility > 8 miles = 96.96. Visibility > 1 mile = 98.36.

To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq$  1500 feet with visibility  $\geq$  3 miles = 91.05. RXANUTA # 3

#### ADDITIONAL EXAMPLES

Values below minimums stated in the table may be obtained by subtracting the value given EXAMPLE # 4 in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet</p> and/or visibility < 3 miles.

Likevise, the percentage of observations with ceiling < 500 feet and/or wieibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

To find the percentage of observations falling within the two categories given in example EXAMPLE # 5 above, subtract the value read from the table for the first set of limits from the value in the table for the second set w limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

> The value 91.0 read from the table at the intersection of  $\geq$  1900 feet with  $\geq$  3 miles, subtracted from 97.4 read from the table at the intersection of  $\geq$  500 feet with  $\geq$  1 mile is equal to 6.45. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq$ 500 feet with visibility > 1 mile, but < 3 miles; or eeiling > 500 feet, but < 1500 feet with visibility > 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of cailing and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR JEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93744 MARTIN MARIETTA AIRFIELD MD

71-75

-06

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u>−0€00-€0800</u>

MAN ...

CEILING							VISI	BILITY (STA	TUTE MILE	S.						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥ 21/2	≥ 2	≥1%	≥11/4	≥1	≥ 3,4	۰، ≲	≥"1	≥5 16	≥ ;	≥0
NO CEILING ≥ 20000	32.7	38.8	39.4	40.8	41.1	41.3	41.6	41.6	41.6	41.6	41.9	41.9	41.9	41.9	42.2	42.5
≥ 18000 ≥ 16000	34.1	42.7	44.1	45.8 46.1	46.1	46.4	40.6	46.6	46.6	46.6	46.9	46.9	46.9	46.9	47,2	47.5
≥ 14000 ≥ 12000	35.2	44.1	45.5	47.2	47.5	47.8	40.0 50.0	48.0 50.0	48.0	48.0	48.3	48.3	48.3	48.3	48.6	48.9 50.8
≥ 10000 ≥ 9000	41.1	53.1	54.5 55.0	56.1 56.7	56.4	57.0 57.5	57.3 57.8	57.3 57.8	57.3 57.8	57.3 57.8	57.8	57.8	57.8 58.4	57.8	58,1 58,7	58.4 58.9
≥ 8000 ≥ 7000	43.0	57.0	58.4	60.3	60.6	61.2	41,5 64.5	61.5	61.5	61.5	62.3	62.3	62.3	62.3	62,6	62.8
≥ 6000 ≥ 5000	40.4	61.2	62.6	67.9	65.6	66.2	66.5	69.5	69.6	66.5	67.3	70.4	70-4	67.3	67,6	67.9
≥ 4500 ≥ 4000	48.9	64.2	45.9	68.4 71.2	69.3	09.8 72.6	7^.1 73.2	70.1	70.1	70.1	70.9	70.9	70.9	70.9	71.2	71.5
≥ 3500 ≥ 3000	52.2	69.8	71.8	74.3	75.4 76.8	76.0 77.7	76.5	76.5 76.2	76.5	76.5 78.5	77.4	77.4	77.4	77.4	77,7	77.9
≥ 2500 ≥ 2000	54.2	72.1	74.0	76.5	77.9	78.8 79.1	79.3	79.3	79.3	79.6	80.4 80.7	80.4 80.7	80.4	80.4	80,7	81.0
≥ 1800 ≥ 1500	54.2	72.3	74.3	76.8	78.2 78.5	79.1	79.6		79.6	79.9	80.7 81.0	80.7	80.7	80.7	81.0	81.3
≥ 1200 ≥ 1000	54.2	72.9	74.9	77.4	79.3	80.2 80.7	81.0	81.0 81.6	81.0	81.3	82.1 82.7	82.1 82.7	82.7	82.1	82.4	82.7
₹ 900 ₹ 800	54.2	73.2	75.4	78.2		81.3	82.7 85.5	82.7	82.7	83.0	84.6	84.6	84.9	84.9	85,2	89.1
2 700 2 600	54.2	74.0	1	79.9	82.7	83.8 84.1	80.9	67.2	85.6	87.4	90.5	89.4 90.5	91.3	91.3	90.2	90.5
≥ 500 ≥ 400	54.2	74.0	1	79.9	83.0	84.6 85.2	88.5	88.5	89.9	89.9 91.9	92.2	92.2	93.0	25.5	95,8	93.6
≥ 300 ≥ 200	54.2	74.0		79.9	83.0		89.1	90.2	90.2	92.7	95.5	95.5	96.6	96.6	96,9	97.2
≥ 100 ≥ 0	54.2	74.0	1		83.0		1	90.2	90.5	93.0		96.4	98.0	1		100.0

TOTAL NUMBER OF OBSERVATIONS

35

USAF ETAC 100 04 04-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-79

JAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS;

0900-1100

CEILING							VIS	SIBILITY (ST	ATUTE MIL	ES:	· · · · · · · · · · · · · · · · · · ·		<del></del>			
FEET	≥10	≥6	≥ 5	≥4	≥ 3	≥212	≥ 2	211/4	≥114	ا≤	≥ 4	≥'•	2 7	<b>45 16</b>	≥ .	20
NO CFILING ≥ 20000	31.8 35.3	39.5 45.4	40.2	41.7	42.4 49.8	42.4		42.5	42.5	42.7	42.8 50.2	42.8 50.2	42.8	42.8	42,8	
≥ 18000 ≥ 16000	35.5 35.8	45.7	47.6	49.2	50.1 50.3	50.1 50.3	50.2 50.5	50.2 50.5	50.2 50.5	50.3	50.5 50.8	50.5 50.8	50.5 50.8	50.5 50.8	50.5 50.8	50.5 50.6
≥ 14000 ≥ 12000	36.9 37.6	49.1	49.7 51.0	51.3 52.7	52·1 53·5	52.1 53.5	52.3 53.6	52.3 53.6	52.3 53.6	52.4 53.8	52.5 53.9	52.5 53.9	52.5	52.5 53.9	52,5	52.5
≥ 10000 ≥ 9000	40.3	54.3 55.6	56.5 57.8	58.2 59.4	59.0 60.2	59.0 60.2	59.3 6: .5	59.3 60.5	59.3	59.5 60.8	59.7 60.9	59.7 60.9	59.7	59.7 60.9	59,7	59.7
≥ 8000 ≥ 7000	43.9	07.4	64.9	66.5	67.9	65.8 67.9	66.1 68.2	68.2	66.2	66.4 68.4	68.6	66.5 68.6	66.5	66.5 68.6	66,5	66.5
≥ 6000 ≥ 5000	45.7	64.3	67.1	69.0	71.1	71.1	69.3 71.3	69.3 71.3	71.3	69.5	69.7 71.7	69.7 71.7	69.7 71.7	69.7 71.7	69,7	69.7 71.7
≥ 4500 ≥ 4000	46.8	68.3	71.1	73.0	75.0	71.9 75.0	72.2	72.2 75.3	72·2 75·3	72.4	72.6 75.7	72.6	72.6	72.6 75.7	72.6	72.6
≥ 3500 ≥ 3000	50.5	71.3	74.1	76.1	76.6	78.9	75.0	79.3	76.8	77.1	77.2	77.2	77.2	77.2	77,2	77.2
≥ 2500 ≥ 2000	50.5	71.9	74.9	77.4	79.8	80.5	80.9	61.1	80.5	81.3	80.9	81.5	80.9	80.9	80.9	80.9
≥ 18C0 ≥ 1500	50.6	72.2	75.3	77.9	80.5	81.6	82.3	82.6	82.6	83.3	83.4	83.4	83.4	83.4	83.4	81.6
≥ 1200 ≥ 1000 ≥ 900	50.6	73.0	76.3	79.7	83.3	84.6	85.5 85.7	83.8 65.7	85.9	86.7	84.9 87.1	84.9	87.4	87.4	84,9	84.9
≥ 900 ≥ 300 ≥ 700	50.8	73.5	76.8	80.7	84.4	86.1	87.7	88.6	88.8	89.8	90.3 90.9	90.4	90.7	90.7	90.7	90.7
≥ 500	50.8	73.5 73.4	76.8	80.7 80.8	84.5	86.3	R7.8	89.4	89.6	91.2	91.6 93.6	91.8	92.2	92.2	91,5	91.5 92.2 94.4
≥ 400 ≥ 300	50.8	73.5	76.8	80.8 80.8	84.8	07.4	19.8	92.5	92.6 93.0	94.9	95.7 97.1	95.9	96.6	96.6 97.9	96.7 98.2	96.7
± 200 ≥ 100	50.8 50.8	73.5	76.8	80.8 80.8	84.8 84.8	87.4 87.4	9(.0 9(.0	92.7 92.7	93.1	95.7	97.4 97.4	97.5	98.2	98.2	1	98.8
2 0	50.8	72.5	76.0	80.8	84.0	37.4	9,.0		93.1	95.7		97.5	90.4	98.4		00.0

TOTAL NUMBER OF OBSERVATIONS

729

USAF ETAC 10 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE CRESCULTE

GLOBAL CLIMATOLDAY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

93744

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MARTIN MARIETTA AIRFIELD MD

71-79

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING				<del></del>			VIS	IBILITY (ST)	ATUTE MILI	ES)						
FEET	≥10	≥6	≥5	≥4	≥3	≥2'^	≥ 2	21'7	≥114	≥1	≥ ¼	<b>&gt;</b> ,•	ړ'≤	≥ 5 16	٤،	≥0
NO CEILING ≥ 20000	31.3	1	38.1 48.6		40.1 50.6				40.1	40.1						40.1
≥ 18000 ≥ 16000	38.0 38.0	48.0	48.7	49.7		50.7 50.7	50.7 50.7	50.7 50.7	50.7 50.7	50.7 50.7	50.7 50.7	50.7	50.7	50.7 50.7	50.7 50.7	50.7
≥ 14000 ≥ 12000	39.0 40.6	52.0		53.9	52.5 54.9	52.5 54.9	54.9	54.9	52.5 54.9	52.5 54.9	32.5 54.9	52.5	54.9		52.5	52.5
≥ 10000 ≥ 9000	42.3		56.3 57.4	58.4	59.4	59.2 59.4	59.4	39.4	38.2 59.4	58.2 59.4		58.2 59.4	58.2	59.4	58,2 59,4	58.2 59.4
≥ 8000 ≥ 7000	44.7 45.1	59.9	63.1	64.1	65.5	65.5	65.5	05.5	64.0	65.5	65.5	65.5		65.5	65.5	64.0
≥ 6000 ≥ 5000	48.0	65.4	67.6	68.6	70.0	67.3 70.0	70.0	70.0	70.0	70.0	67.3 70.0	70.0	70.0	70.0	70.0	70-0
≥ 4500 ≥ 4000 ≥ 3500	48.7 51.1 52.0	64.3 71.2 72.9	68.7 74.2	75.7	77.2	71 • 1 77 • 2	77.2	77.2	77.2	71 • 1 77 • 2	77.2	71 • 1 77 • 2		71 • 1 77 • 2	71,1	71.1
≥ 3000	52.8 53.1	74.4	76.0 77.9 78.5	79.6	81.1	79.2 81.3 82.0	81.3	81.3	81.3	81.3	81.3	79.2 81.3	91.3	79.2 <u>81.3</u>	79,2	79.2 81.3
≥ 2000	53.1	79.8	79.5	81.3	82.8	83.2	83.2	83.5	83.7	83.7	83.7		83.7	83.7	83.7	82.0
≥ 1500	53.1 53.1	76.5 76.7	80.2	82.0	83.5	84.2	86.4	84.0	84.8	84.9	84.1 84.9 86.3		84.1 85.1 86.5	84.1 85.1 86.5	85.1 86.5	84 • 1 85 • 1 86 • 5
≥ 1000	53.1	74.8	80.6	83.1	85.3	87.0	80.7	87.6		88.1	98.1 89.2	88.1	88.4	88.4	88.4	88.4
≥ 800	33.1 53.1	77.1	81.0 81.4		86.7	89.1	85.8	90.1	90.2	90.6	90.6	90.6				91.1
≥ 600	53.1	77.4	81.4		87.6	89.9	9.08		92.3	92.7		93.4	93.9	93.9		94.0
≥ 400 ≥ 300	53.1 53.1	77.4	81.4	84.5	88.0	90.6	92.3		94.7	95.5	96.4 97.1	96.4	96.9		97.1	97.1
≥ 200	53.1 53.1	77.4	81.4	84.5		90.8	92.7	95.4	95.5	96.4	97.3 97.3	97.3	97.9	97.9	98.2	
≥ 0	53.1	77.4	81.4	84.5	88.0	90.8			95.5	96.4	97.3		98.0			100.0

TOTAL NUMBER OF OBSERVATIONS

714

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAG

### CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MO

71-79

JAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	HBILITY (ST	ATUTE MIL	E5						
FEET	≥10	≥6	≥ 5	≥4	≥3	≥21/2	≥ 2	د'ا≲	≥114	≥1	≥ 1,4	≥ '•	≥ ,	≥5 16	≥'4	≥0
NO CEILING ≥ 20000	41.0	43.3 52.1	43.7 52.6	53.0	53.5	53.6	53.6	44.5 53.6	53.6	44.7 53.8	44.7 53.8	44.7 53.8	44.7 53.8	44.7 53.8	44.7 53.8	44.7 53.8
≥ 18000 ≥ 16000	41.3	52,4 52,4	52.9 52.9	53.3	53.8 53.8	53.9 53.9	13.9	53.9 53.9	53.9 53.9	54.1 54.1	54.1 54.1	54.1 54.1	54.1	54.1 54.1	54.1 54.1	54.1 54.1
≥ 14000 ≥ 12000	43.1	54,9 57,5	58.0	55.8 58.4	56.3 58.9	56.4 59.0	56.4 59.0	56.4 59.0	56.4 59.0	56.6 59.2	56.6 59.2	56.5	56.6	56.6 59.2	56.6 59.2	56.6 59.2
≥ 10000 ≥ 9000	46.8	01.4	62.0	62.4	62.9	63.1	62.1 63.1	62.1	62.1	63.4	63.4	63.4	62.4	62.4	62.4	63.4
≥ 8000 ≥ 7000	49.8	66.9	67.7	68.2	66.6 68.8	68.9	55.2	66.9	66.2	69.2	69.2	59.2	69.2	66.5	66.5	66.5
≥ 6000 ≥ 5000	51.3	71.6	72.3	70.0	70.8	71.1	71.1 74.0	71.1	71.1	71.4	71.4	71.4	71.4	71.4	71.4 74.3	71.4
≥ 4500 ≥ 4000	53.3	74.3	75.7	76.7	77.7	78.1	73.3	75.3	75.3 78.1	75.6 78.4	75.6 78.4	75.6	75.6 78.4	75.6 78.4	75.6 78.4	75.6
≥ 3500 ≥ 3000	55.8 56.4	79.3	80.8	82.4	83.5	83.8	83.9	83.9	83.9	84.2	84.2	81.9	R4.2	81.9	84,2	81.9
≥ 250C ≥ 2000	36.7	40.2	82.1	83.9	<b>75.</b> 0	85.3	35.5	85.5	85.5	85.8	85.8	84.9	85.8	84.9	84,9	
≥ 1800 ≥ 1500	56.7 56.7	31.6	83.5	85.3	86.9	87.5	87.6	68.3	86.3	89.0	39.2	86.6	89.2	86.6	86.6	86.6
≥ 1200 ≥ 1000	56.7	81.6	83.5	65.3	87.9	88.3 89.0	89.3 89.8	88.9	89.8	90.9	91.0	89.8 91.0	91.0	91.0	91.0	91.0
≥ 900 ≥ 800	56.7	82.1	83.6	85.9	88.6	89.6	90.6	90.6	90.7	92.7	92.0 93.0	93.0	93.0	92.0 93.0	92,0	93.2
≥ 700 ≥ 600	56.7	82.1	84.1	86.2	89.3	90.6	92.0	92.9	93.0	94.4	94.9	94.9	94.9	94.9	95,2	94.7 95.2 96.8
≥ 500 ≥ 400 ≥ 300	56.7	87.1	84.1	36.2	89.2	91.3	92.9	94.4	94.6	96.0	96.9	96.9	97.4	97.5	98.0 98.8	98.9
<i>≥</i> 200	56.7 56.7	82.1	84.1 84.1	36.2 86.2	89.2	91.3	92.9	94.4	94.6	96.0	97.7	97.8	98.6	98.8	99.2	99.4
≥ '00' ≥ 0	56.7	07.1	34.1	86.2	:	~ - ,	າ້.9	94.4	94.6	96.0	97.7	97.8	98.6			100.0

TOTAL NUMBER OF OBSERVATIONS

64

USAF ETAC 131.04 0-14-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH USAFFTAC AIR WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

93744

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MARTIN MARIETTA AIRFIELD MD 71-79

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING			····				VI5	BILITY (STA	TUTE MILE	(S)						
FEET	≥10	≥6	≥5	≥4	≥3	≥2'2	≥ 2	ביוב	≥114	≥1	≥ 14	≥ '∗	≥',	≥ 5 16	≥ 4	≥0
NO CEILING ≥ 20000	47.2	54.3	54.3 59.5			54.7 60.0	54.7 63.0	54.7 60.0	54.7 60.0	54.7	54.7	54.7 60.0	54.7 50.0	54.7 60.0	54.7 60.0	54.7
≥ 18000 ≥ 16000	49.5 50.5	59.3	59.5 60.4	59.7 60.6	60.0 61.0	60.0 61.0	6., •0 61.0	60.0 61.0	60.0 61.0	60.0	61.0	60.0	61.0	60.0	60.0 61.0	61.0
≥ 14060 ≥ 12000	51.4 53.2	61.2	61.4 63.9	64.1	64.4	64.4	64.4	62.0	62.0	62.0 64.4	62.0	62.0	64.4	64.4	62.0	62.0
≥ 10000	56.0	67.5	67.9	68.1	68.5	69.4	68.5 69.4	68.5	68.5 59.4	68.5	65 3	68.5	68.5	69.4	69.4	68.5
≥ 8000 ≥ 7000	58.1	70.9	71.3	71.5 74.0		71.9	71.9	71.9 74.4	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9 74.4
≥ 6000 ≥ 5000	61.0 62.7 63.5	78.0 76.0 78.4	75.3 77.2 79.0	75.7 77.6 79.3		76.1 78.0 79.9	76.1 7:.0 73.9	76.1 78.0 79.9	76.1 78.0 79.9	76.1 78.0 79.9	76.1 78.0 79.9	76.1 78.0 79.9	76.1 78.0 79.9	76.1 78.0 79.9	76.1 78.0 79.9	76 • 1 78 • 0 79 • 9
≥ 4000 ≥ 3500	63.7	79.0	79.5 P2.6	80.1	80.7 83.7	80.7	RC.7	80.7	80.7 83.7	80.7 83.7	80.7 83.7	80.7 83.7	80.7	83.7	80.7	80.7 83.7
≥ 3000	66.7	d4.9	85.5	86.0	86.6	84.6	RC.6	86.6	87.4	86.6	36.6 87.4	86.5	96.6	86.6	86.6	86.6
≥ 2000	67.9	67.2		88.3	89.7	89.7	∂d.9 Ay.7		89.1	89.9	89.1	89.9	89.1 89.9	89.1	89.1	89.1
≥ 1500	67.9	57.2 57.2	98.7	89.5		90.6	9 .8	91.0	91.0 91.4	91.0 91.4	91.0 91.4	91.0 91.4	91.4	91.0 91.4	91.0	91.0
≥ 1000	67.9	67.2	88.7	89.5	90.4	90.6	9,00	91.4	91.4 91.4	91.4	91.4 91.4	91.4 91.4	91.4	91.4	91.4	91.4
≥ 800 = 700 ≥ 600	66.1	07.4	88.9	90.2	91.8	91.0	92.5	93.5	93.5	92.2	92.2 93.7	92.2	92.4	92.4	92.4	92.4
≥ 500 ≥ 400	68.1 68.1	87.4 87.4	88.9 89.1	90.2 90.4 90.4	92.2	92.7 93.3 93.3	94.1	94.5 95.6 96.0	94.5 95.6 96.0	95.0 96.4 96.9	95.2 96.7 97.3	95.2 96.7 97.3	95.4 97.1 97.7	95.4 97.1	95.4 97,1	97.1
≥ 300 ≥ 200	68.1	37.4 57.4	89.3	90.6	92.4	93.5	94.3	96.2 96.4	96.2	97.1 97.3	97.5	97.5	98.1	98.5 98.9	98.5	98.3 99.2 99.8
± 100 ± 0	68.1	87.4 07.4		90.6	92.4 92.4	93.5	94.5	96.4	96.4 96.4	97.3 97.3		97.7 97.7	98.5 98.5		98,9	99.8 100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC "4 0-14 5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFFTAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93744

MARTIN MAKIETTA AIRFIELD MD

71-79

JAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING						***************************************	VIS	BILITY (ST	ATUTE MIL	ES:						
FEET	≥10	≥6	≥5	≥4	≥3	≥21⁄2	≥ 2	≥1'2	≥1'4	≥1	≥34	5,•	<b>≥</b> 1,	≥ 5 16	≥ .	≥0
NO CEILING ≥ 20000	51.2 53.9	55.4		56.5 60.4	55.3			56.8	56.8	56.8			56.8			
≥ 18000 ≥ 16000	54.1 54.6	61.1	61.1	61.1	50.9 61.4	61.4	61.4	60.9	50.9	60.9	60.9		60.9		60.9	60.9
≥ 14000 ≥ 12000	57.2	64.3	64.3	64.3	52.3 64.5	02.3 64.5	62.3	62.3	62.3	62.3	62.3	62.3	62.3		62.3	62.3
≥ 10000 ≥ 9000	62.1	58.8 69.8	58.8 69.8	69.8	59.1 70.0	67.1 70.0	76.0	69.1 70.0	70.0	69.1	69.1	69.1	69.1 70.0	69.1	59.1	69.1
≥ 8000 ≥ 7000	65.2	72.5 74.6	72.5 74.6	72.5	72.7 74.9	72.7 74.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72,7	72.7
≥ 6000 ≥ 5000	67.4	75.8 75.0	75.8 78.0	75.8	76.1 78.3	76.1 78.3	76.1 76.3	76.1	76.1	76.1 78.3	76.1 78.3	76.1 78.3	76.1 78.3	76.1 78.3	76.1	76.1 78.3
≥ 4500 ± 4000	70.0	30.r	80.0	81.9	80.2 82.1	60.2 62.1	80.2	50.2 52.1	80.2 82.1	80.2		80.2	80.2	80.2	50.2 82.1	80 · 2 82 · 1
≥ 3500 ≥ 3000	70.3	51.9 54.5	85.5	83.1 86.0	83.3 86.5	83.3	86.5	83.3 86.5	83.3	83.3 36.5	83.3	83.3	R3.3 86.5	83.3	83.3 86.5	83.3
≥ 2500 ≥ 2000	72.5	35.0	87.2	86.5	57.2 58.4	87.4 88.6	87.4 88.0	87.4	87.4	87.4	87.4	87.4	87.4 88.6	87.4	87.4 88.6	87.4
≥ 1800 ≥ 1500	72.9	66.7	97.4 95.4	87.9	89.9	88.9 90.1	90.1	68.9 90.1	90.1	88.9	88.9	88.9 90.1	90.1	88.9 90.1	88,9	88.9 90.1
≥ 1200 ≥ 1000	73.2	86.7	88.4	89.1	89.9	90.1	91.6	90.1	90.1	90.1	90.1	90.1	90.1	90 • 1 90 • 6	90.1	90.1
≥ 900 ≥ 800	73.2	36.7 36.7	88.6	89.4	89.9 90.1	90.6	90.8	90.6		90.6	90.6	90.A	90.6	90.6 90.8	90.6	90.6
- 700 ≥ 600	73.2	87.0	88.9	89.9	91.8	91.8	92.0	92.5		92.5		92.4	92.5	92.5	97.5	92.5
≥ 500 ≥ 400		87.0 67.0	88.9	90.1	92.5	93.Z 93.5	93.5	95.2 95.9	95.2	95.9	96.1	96.1	96.4	96.4	96.4	96.4
≥ 3.00 ≤ 200		87.0	88.9	90.1	92.5	93.5 93.5	94.0	96.1 96.1	96.1	96.9	97.6 97.8	97.6 97.8	98.3	98.3 98.8	98,6	98.8
≥ 100 2 0	73.2	67.0 07.0				93.5	94.0	96.1	96.1	96.9	97.0		98.6	98.8		99.8

TOTAL NUMBER OF OBSERVATIONS

414

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR PEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93744

MARTIN MAKIETTA AIRFIELD MO

71-79

MAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL.

CEILING					•		VIS	IBILITY (ST.	ATUTE MIL	ESI						
FEET	≥10	≥6	≥ 5	≥4	≥3	≥3,2	≥ 2	≥11/2	≥114	≥1	≥ ¼	≥ '₄	≥'.	≥ 5 16	≥ ₄	≥0
NO CEILING ≥ 20000	37.4 41.2	43.9		45.3 52.6		45.9 53.2	45.9 53.3	45.9 53.3	45.9	46.0	46.0	46.0	46.0	46.0	46.1	46 • 1 52 • 4
≥ 18000 ≥ 16000	41.7	51.1 51.4	51.9 52.2	52.8 53.1	53.4 53.6	53.4 53.7	55.5	53.5 53.8	53.5	53.5 53.8	53.0	53.6	53.6			53.6
≥ 14000 ≥ 12000	42.9 44.3	53.0 55.1	53.8 56.0	54.7 56.8	55.3 57.4	55.3 57.5	55.4 57.5	55.4 57.5	55.4	55.4 57.6	55.5 57.7	55.5	55.5 57.7	55.5 57.7	55.5	55.6
≥ 10000 ≥ 9000	47.0	50.3	60.4 51.4	61.2 62.2	61.d 62.8	61.9 62.9	62.0 63.0	62.0 63.0	62.0	1 4 = 7 = 1	62.2	62.2	62.2	62.2	62,2	62.3
≥ 800 ≥ 7000	49.5 50.6	63.8	67.2	66.0 68.1	69.0	66.8 69.1	66.9	66.9	66.9	69.3	67.1	67.1 69.4	67.1	67.1	67.1	67.2
≥ 6000 ≥ 5000	51.7 53.3	67.3	68.8 70.9	69.7 72.0	70.6 73.0	70.7	7.;.8	70.8 73.3	70.8	70.9 73.4	71.0	71.0	71.0	71.0 73.5	71,1 73.5	71 • 1 73 • 5
≥ 4500 ≥ 4000	54.0 55.4	77.6	72.1	73.1	74.3	74.4	74.5	74.5 77.7	74.5 77.7	77.8	74.7	74.7	74.7	74.7	74,8	74.8 78.0
≥ 3500 ≥ 3000	56.4 57.5	77.1	77.1	78.5	79.7	79,9	82.5	80.1 82.5	80 • 1 82 • 5	80.2 82.6	80.3 82.8	80.3 82.8	90.3 82.8	80.3	80,3 82,8	80.4
≥ 2500 ≥ 2000	57.8 58.0	79.4	79.8 80.7	81.4	82.8	83.1	95.3 84.3	83.4	83.4	84.6	83.6 84.7	83.6 84.7	83.0	83.6	83,7	83.7
≥ 1800 ≥ 1506	58.1 58.1	78.7 79.0	81.0	82.8	84.1 84.8	84.6	84.7	84.9	84.9	86.4	85.1	85 • 1 86 • 6		85.1	85.2 86.6	85 • 2 86 • 7
≥ 1200	58.1	79.3	81.6	83.5	85.4	86.1	97.5	87.9	86.9	88.5	87.5 88.7	87.5	88.8	87.5 88.8	87.5 88.8	87.6 88.9
≥ 900 ≥ 800 > 700	56.2 56.2	79.7	82.0 82.3	85.0	87.2	87.4 88.2	85.2	90.0	90.1	90.7	89.7 91.0	89.7 91.0		91.2	89.9 91.3	90.0
≥ 600	58.2	79.8 79.8	82.5 82.6	85.1 85.1	87.6	89.1 39.4	90.02	91.1 91.8	91.2		92.4	92.4	92.6 93.7	92.6 93.7	92,7	92.7
≥ 500 ≥ 400 ≥ 300	58.2	79 A	82.6	85.2	88.2	90.0 90.3 90.3	91,5	93.2	93.3	94.4	95.1 96.4	95.2	95.5 97.0	95.5	97.2	95.7
£ 200	58.2	79.8	82.6 82.6	85.2	88.2	90.3	92.1 92.2 92.2	94.2 94.3	94.4	95.9	97.4 97.4	97.2 97.5	97.8 98.3	97.9	98.2 98.7	98.4
≥ 0	58.2	70 P	82.6	55.2	88.2	90.3	92.2	94.3	94.5	96.0	97.4 97.4	97.5 97.5	98.4 98.4	98.5	99.0	

TOTAL NUMBER OF OBSERVATIONS

3387

USAF ETAC ... 64 0-14-5 (OL A) MENIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1- -- > 444

GLOBAL CLIMATOLOGY BRANCH USAFFTAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-79

FEB

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING							VIS	SIBILITY (ST	ATUTE MIL	ES1						
FEET	≥10	≥6	≥ 5	≥4	≥ 3	≥21/2	≥ 2	ביו≤	≥114	≥1	≥ ¼	≥ ′•	≥',	≥5 16	≥ '4	≥0
NO CEILING ≥ 20000	32.8	44.5 47.8	47.5 50.7	48.7	50.7 54.0	50.7 54.0	50.7 54.0	50.7	50.7		50.7 54.0	50.7 54.0				
≥ 18000 ≥ 16000	35.2 35.2	49.0	51.9 51.9	53.1 53.1	55.2 55.2	55.2 55.2	55.2 55.2	55.2	55.2	55.2	55.2 55.2	55.2	54.0 55.2 55.2	55.2 55.2	55.2	55.
≥ 14000 ≥ 12000	36.4 37.3	50.7 52.5	53.7 55.5	55.5 57.3	57.6 59.4	57.6 59.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.
≥ 10000 ≥ 9000	37.9	54.0 54.3	57.0 57.6	58.8 59.4	61.5	60.9	51.2	61.8	61.2	61.2	61.8	61.2 61.8	61.5	61.5	61.5	61.
≥ 8000 ≥ 7000	40.9	59.1 61.2	52.4 64.8	64.2	66.3	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.9	66.9	66,9	67.
≥ 6000 ≥ 5000	42.7	05.7	56.0 59.5	58.1 71.9	70.4	70.7 74.9	71.0 75.2	71.0	71.0	71.0	71.0 75.2	71.0	71.3 75.5	71.3	71,3	71.
≥ 4500 ⊇ 4000	44.8	70.4	70.7 74.3	73.1 76.7	75.8	76.1 79.7	76.4 80.0	76.4	76.4	76.4	76.4	76.4	76.7	76.7	76.7 80.6	77.
≥ 3500 ≥ 3000	47.5	72.3	75.2 76.1	77.6 78.8	82.4	80.9 83.0	P1.2	81.5	81.5	81.5	81.5	81.5	81.8	81.8	81,8	80 • 82 • 84 • 8
≥ 2500 ≥ 2000	47.8	72.8	76.7 76.7	79.4	83.0 83.0	83.6	84.2	84.8	84.8	84.8	85.1 85.1	85.1	85.4 85.4	85.4	85.4	85.
≥ 1800 ≥ 1500	47.8	72.A 73.4	76.7	77.7 60.3	83.9	83.9	85.4	85.1	85.1	85.1	85.4	85.4	85.7	85.7	85.7	86.
≥ 1200 ≥ 1000		74.6	77.9	80.9	84.5	85.1	87.2	85.6	86.6	86.6	86.9 38.4	86.9	87.2	87.2	87.2	87.
≥ 900 ≥ 800	47.8 47.8	74.9	79.1	82.4	86.6	87.2 87.2	8E.4 80.7	89.0 89.6	89.6	89.3 90.1	89.6	89.6	90.7	89.9 90 7	89.9	90.
2 700 ≥ 600	47.8 47.8	74.9	79.1	82.4	86.6	87.2	89.0	90.1	90.1	90.7	91.9	91.0	91.6	91.6	91,6	91.9
≥ 500 ≥ 400	47.8	74.9	79.1	82.4	87.2	87.8 08.1	49.9 9.1	92.2 93.4	92.2	92.8 94.0	93.1	93.7	94.9	94.9	95,2	95.
≥ 300 ≥ 200	47.8 47.8	74.9	79.1	82.4		88.4	9:.4	94.0 94.0		94.6		96.1 96.1	97.9 97.9	97.9 97.9	98,2 98.5	98.6
= .00	-	74.9		82.4		38.4 38.4	_				1	96.1		1	98,81	00.0

TOTAL NUMBER OF OBSERVATIONS

335

USAF ETAC 0.04 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLUBAL CLIMATOLOGY BRANCH USAFFTAC AIR UEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

93744 MARTIN MARIETTA AIRFIELD MD

71-79

MONTHS ...

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0200-1100

CEILING							VIS	IBILITY ISTA	ATUTE MIL	ESI						
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥215	≥ 2	≥11/2	≥114	≥1	≥ 34	≥ '4	≥ 12	≥ 5 16	≥ 4	≥0
NO CEILING ≥ 70000	32.7 35.5	47.1 52.3	48.7 54.4	49.8 55.4	' \	51.4 57.2	51.4	51.4 57.2	51.4 57.2	51.4 57.2	51.6 57.4	51.6	51.6 57.4	51.6	51.6	51.6
≥ 18000 ≥ 16000	36.3 30.4	53.0	55.1 55.3	56.2 56.3	57.9	57.9 58.1	57.9 5ε.1	57.9 58.1	57.9 58.1	57.9 58.1	58.1 58.2	58.1 58.2	58.1 58.2	58.1 58.2	58.1 58.2	58.1
≥ 14000 ≥ 12000	36.4 37.7	59.6 56.0	55.9 58.2	56.9 59.4	58.5 61.1	58.7 61.2	50.7	58.7 61.4	58.7	58.7	58.8 61.5	58.8	58.8 61.5	58.8	58.8	58.8
≥ 10000 ≥ 9000	39.1	59.1 59.1	61.4	62.6		64.3	64.5	04.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6
≥ 8000 ≥ 7000	40.9	63.2	63.9	65.2	66.9 69.1	67.0	67.5 65.7	67.5 69.7	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6
≥ 6000 ≥ 5000	41.0 42.8	63.7	66.3	68.4 71.6		70.7 74.1	71.2	71.2 74.6	71.2	71.2	71.3	71.3	71.3	71.3	71,3	71.3
≥ 4500 ≥ 4000	43.1	70.3	70.1 72.8	72.4 75.2	74.7	74.9	75.3 70.3	75.3 78.3	75.3 78.3	75.3 78.3	75.5 78.5	75.5 78.5	75.5 78.5	75.5 78.5	75.5 78.5	75 • 5 78 • 5
≥ 3500 ≥ 3000	45.3 45.3	71.2 71.8	73.7 74.4	76.1 76.8	76.6 79.5	78.9 80.2	77.5 80.8	79.6 81.1	79.6	79.6	79.8 81.6	79.5	79.8	79.8	79.8	79.8
≥ 2500 ≥ 2000	45.3	77.2 72.8	74.9	77.4	80.5	81.6 82.5	82.3 83.5	82.6 83.8	82.6	82.9 84.1	83.1	83.1 84.2	83.1 84.2	83.1	83,1	83.1
≥ 1800 ≥ 1500	45.3 45.3	77.9 73.4	75.6 76.4	78.2	81.3 82.3	82.9 84.0	84.0 85.0	84.2 85.3	84.2 85.3	84.5	84.7 85.9	84.7 85.9	84.7	84.7	84,7	84.7
≥ 1200 ≥ 1000	45.3 45.3	74.0	77.3	80.1	83.5	85.1 86.2	86.2 87.4	86.5	86.5 87.7	86.9 88.3	87.1 88.6	87.1 88.6	87.2 88.7	87.2 88.7	87,2	87 • 2 88 • 7
≥ 900 ≥ 800	45,3	74.4	77.7 78.0	81.3	85.4 85.9	87.4 89.1	86.9 90.0	89.2 90.5	89.2 90.5	89.9 91.2	90.3 91.7	90.3	90.5	90.5	90.5	90 • 5 91 • 8
≥ /(X) ≥ 600	45.3 45.3	74.7	78.0 78.0	81.3	85.9 86.0	88.3 88.6	93.2	91.1 91.8	91.1 92.0	92.9	92.4 93.3	92.4	93.0	93.0	93.0	93.0
≥ 500 ≥ 400	45.3	74.7	78.0 78.0	81.3	86.0 86.0	88.9 89.0	91.2 91.5	92.6 93.2	92.7	93.8 94.5	94.2	94.4	95.2	95.2 96.3	95.2	95·2 96·3
≥ 300 ≥ 200	45.3	74.7	76.0 78.0	61.3 81.3	86.0 86.0	89.2 89.2	91.7 91.8	93.6	93.9	95.4	95.7 96.0	95.8 96.1	97.6	97.8 98.7	98.1	98 • 1 99 • 4
≥ 100 ≥ 0	45.3	74.7	78.0 76.0	81.3	86.0	89.2	91.8	9 <b>3.</b> 8	94.1	95.4 95.4	96.0	96.1 96.1	98.2 98.2	98.8 98.8		100.0

TOTAL NUMBER OF OBSERVATIONS

67

USAF ETAC 100 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

GLUBAL CLIMATULUMY BRANCH USAFFTAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELU MD

71-79

FEB

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	BILITY (ST	ATUTE MILI	ES)						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥21/2	≥ 2	211/2	≥114	≥۱	≥ 3,4	≥,•	≥ ',	≥5 16	≥'₁	≥0
NO CEILING ≥ 20000	39.3 45.0	4H.7	49.5 57.5	49.9 57.9	50.7 58.7	50.7 58.7	5(1.8 50.9	50.8 59.0	59.0	50.8 59.0	59.0	50.8 59.0	50.8 59.0	50.8 59.0	59.0	59.0
≥ 18000 ≥ 16000	45.0 45.0	55.9 54.9	57.0 57.6	58.1 58.1	58.9 58.9	58.9	59.0 59.0	59.2 59.2	59.2 59.2	59.2 59.2	59.2 59.2	59.2 59.2	59.2	59.2 59.2	59,2	59.2
≥ 14000 ≥ 12000	45.0 46.7	57.3 59.3	56.1 60.1	58.6 30.6	57.3 61.3	59.3	61.5	59.6 61.6	59.6	59.6	59.6	59.6	59.6	59.6		61.6
≥ 10000 ≥ 9000	47.8	62.6	64.3	64.7	65.6	65.8	65.2	66.1	66.1	66.1	66.1	65.3	66.1	65.3 66.1	66.1	65.3 66.1
≥ 8000 ≥ 7000	49.6	64.4	68.0	68.7	70.1	70.4	70.7	68.6 70.9	70.9	70.9	70.9	70.9	68.6 71.0 71.8	68.6 71.0 71.8		71.0 71.8
≥ 6000 ≥ 5000	50.2 51.8	69.3	71.2	72.1	70.9	74.9	71.5 74.4 75.0	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7
≥ 4500 ≥ 4000	53.6	77.0	74.7	75.7	77.3	77.8	75.1	75.2 78.3	78.3	78.3	78.3	78.3	78.4	78,4	78,4	78.4
2 3500 2 3000	55.2	75.7	78.0	79.0	80.9	81.4	R2.6	81.8	81.8	81.8	81.8	81.8 82.9	83.1	82.0	82.0	1
≥ 2500 ≥ 2000 ≥ 1800	55.3	76.7	79.4	81.0	83.1	83.7	R4.6	84.9	85.4	85.2	85.2	85.2	85.4	85.7	85,4	85.4
≥ 1500	55.6	77.5	80.0	82.4	84.7	87.4	78.3	88.9	87.1	87.2	87.2	87.2	87.4	87.4	89.4	87.4
≥ 1000	55.6	78.6 79.2	81.8	84.9	87.8	89.7	89.7	90.3	90.4	90.9	91.1	91.1	91.2	91.2		
≥ 800	55.6 55.6	79.2	82.6	85.8	89.1	90.0	91.1	91.7	92.8	92.6	92.9	93.1 93.8	94.1	93.2	93,2	94.1
≥ 600	55.6	79.2	82.6	85.8 85.8	89.7	90.9	92.0	93.1	94.1	95.4	95.4	95.5	95.8	95.8	1	96.9
≥ 400 ≥ 300	55.6	79.2	82.6	85.8	90.0	90.9	92.4	93.8	94.6	96.0	96.5	96.6	97.5	97.5		97.4
≥ 100 ≥ 0	55.6 55.6	79.2 79.2 79.2	82.7 82.7 82.7	85.0		91.1	92.4	93.8	95.5 95.5 95.5	97.2 97.2 97.2		97.8 97.8	99.1 99.2 99.2		99,8	100.0

TOTAL NUMBER OF OBSERVATIONS

644

USAF ETAC 101.54 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE CASCULETE

GLUBAL CLIMATOLOGY BRANCH USAFFTAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

93744

MARTIN MAKIETTA AIRFIELD MP

71-79

FEB

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	BILITY IST	ATUTE MILI	S1						
FEET	≥10	≥6	≥5	≥4	23	≥2'2	≥ 2	≥1'2	≥1′4	≥1	≥ 1,4	≥'ı	≥',	≥ 5 16	≥ .	≥0
NO CEILING ≥ 20000	44.9	51.2	52.0 59.6	52.7	53.2	53.3			53.3	53.3	53.3	53.3	53.3	53.3	53,3	53.3
≥ 18000 ≥ 16000	49.8	59.2	59.8	60.7	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61,5	61.5
≥ 14000	50.2	59.5	60.2	61.0	61.6	61.8	62.0		61.8	62.0	61.8	62.0	62.0	61.8 62.0	62.0	62.0
≥ 12000	51.2 52.2	60.8	61.5 63.6	64.4	62.9	63.1	63.1 65.2		63.1	67.2	53.1 65.2	63.1	63.1	63.1	63,1	65.2
≥ 9000	52.2	63.3	54.3	67.3	68.6	65.9		65.9	65.9	65.9	65.9	65.9 68.8	65.9	65.9	65.9	65.9
≥ 7000	35.3	68.3	69.4	70.4	71.9	72.0	74.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	68,8 72,0	68.8 72.0
≥ 6000 ≥ 5000	50.1 57.4	71.5	72.0	71.7 74.0	73.2 75.4	73.3 75.6	73.3 75.6				75.8	73.5 75.8	73.5		73,5 75,8	73.5 75.8
≥ 4500 ≥ 4000	57.7 59.0	73.2		75.8 77.9		77.4		77.6				77.6	77.6		77,6	77.6
≥ 3500 ≥ 3000	59.8	76.5	78.2	79.3 81.5	83.1	81.1	82.4					81.5	81.5	81.5	81,5	81.4
≥ 2500 ≥ 2006	60.5	78.5	81.0	82.1	83.9	54.2	84.2	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800°	60.5	79.3	82.0	83.6	85.4	85.7	A5.7	86.3				86.3	86.3		86,2	86.3
≥ 1500	60.5	€ ^ • ? € O • 7			80.8	87.2	87.5 56.6		88.0	89.4		88.0 59.4	89.4	88.0	88.0	88.0
≥ 1000	60.5	81.1	84.1	86.0 86.0		89.1	89.6		90.6	90.4		90.4	90.4	90.4	90.4	90.4
≥ 800	60.5	51.1	34.1	86.2	88.6	69.3	37.9	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 600	60.5	01.3	84.2	86.2	88.9	89.8 89.8	9.,7	91.9 92.4	91.9	92.8		92.0	94.0		92.5	
≥ 500 ≥ 400	60.7 60.7	81.8 81.8	84.7 84.7	86.7 86.7	89.0	90.6		93.5		94.6	95.6	94.8	95.6			95.6
≥ 300 ≥ 200	60.7	51.A	84.7	86.7	89.0 89.6	90.6	91.7	94.5	95.0 95.0		96.6 96.6	96.6	97.7	98.0	98.5	98.9
≥ 100 ≥ 0	60.7	81.F	84.7	86.7	89.6	90.6	91.7		95.0	95.6	96.6		97.7		99.0	

TOTAL NUMBER OF OBSERVATIONS

61

USAF ETAC 2.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DISOLETE

GLOBAL CLIMATOLOGY BRANCH USAFFTAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-79

FEB

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING				·			vis	BILITY (ST.	ATUTE MILI	ES)			2			
FEET	≥10	≥6	≥ 5	≥4	≥3	≥ 2 1/2	≥ 2	≥1′2	≥1%	≥1	≥ ⅓	≥′•	≥ 1,	≥5 16	≥ ,	≥0
NO CEILING ≥ 20000	50.3 53.6	57.2 62.5	57.0 63.1	56.2 64.0	58.5 64.2	58.7 64.4	58.7 64.4	58.7 64.4	38.7 64.4	58.7 64.4	58.7 64.4	58.7 64.4	58.7 64.4	58.7 64.4	58.9 64.6	58.9 64.6
≥ 18000 ≥ 16000	53.8 53.8	57.7 62.9	63.5	64.4	54.4 64.6	64.6 64.8	64.6 64.8	64.6 64.8	54.6 54.8	64.6 64.8	64.6	64.8 64.8	64.6	64.6 64.8	64.8	64.8 65.0
≥ 14000 ≥ 12000	54.2 55.0	64.2	54.2 65.0	65.8	66.0	55.4 66.2	65.4 60.2	65.4 66.2	66.2	65.4	66.2	65.4	66.2	65.4	65.6	65.6
≥ 10000 ≥ 9000	55.2	65.4	66.2	67.0	67.2	67.4	67.4	66.8	66.8	67.4	67.4	67.4	57.4	67.4	67.6	67.6
≥ 8000 ≥ 7∪00	55.8 57.0	58.0	69.7	70.7	71.5	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.1	69.9 72.1
≥ 6000 ≥ 5000	59.7	71.5	74.3	75.6	76.4	76.6	76.8	76.8	70.8	76.8	76.8	76.8	76.8	76.8	77.0	74.1
≥ 4500 ≥ 4000 ≥ 3500	61.3	74.9	78.0	79.6	80.9	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.7	77.6 31.7 63.3
≥ 3000 ≥ 3000 ≥ 2500	63.1	77.0	80.0	82.1	83.5	83.7	84.7	84.3	84.7	84.7	84.3	84.7	84.3	84.3	84,5	84.5
≥ 2000 ≥ 1800	63.3	77.6	80.7	62.3 62.3	84.5	84.7	85.5 85.5	85.7	85.7	85.7 85.7	85.7 85.7	85.7	85.7	85.7	85.9 85.9	
≥ 1500 ≥ 1200	63.3	77.6	80.7	82.3 82.7	85.7	85.3	86.2 87.4	87.8	86.4	85.4	86.4 88.0	86.4	88.0	86.4	86.6	86.6
≥ 1000 ≥ 900	63.3	77.6	81.1 81.1	82.7	85.7	86.2 86.6	₽7.8 ₽8.6		89.6	90.0	90.0	89.0 90.0	90.0	90.0	90.2	90.2
≥ 800	63.3	77.8 78.4	81.9	83.1	86.2	87.0	90.2	91.6	90.6	91.0		91.0	91.0	91.0	91.2	93.1
≥ 500 ≥ 500	63.3	77.4 78.4	81.9	83.9	87.4	8A.2	91.0	93.7	92.1	92.7		93.5	95.3		93,9	95.5
≥ 400 ≥ 300 ≥ 200	63.3	79.4 79.4	81.9 81.9	83.9 83.9	87.4 87.4 97.4	88.6 88.6	91.2	94.1	93.9 94.1 94.1	94.9 95.1 95.1	96.1	96.5	98.0		98,6	98.6
≥ 100 ≥ 0	63.3	78.4 78.4	81.9 81.9	83.9	77.4 87.4	88.6	91.2		94.3	95.3		96.9 97.1	99.0			99.8

TOTAL NUMBER OF OBSERVATIONS

49

USAF ETAC 101.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFFTAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

93744

MARTIN MAKIETTA AIRFIELD MD

71-79

FEB

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING		·					VIS	BILITY (ST	ATUTE MILI	ES)						
FEET	≥10	≥6	≥5	≥4	≥3	≥212,	≥2	≥1'2	≥114	≥1	≥ 14	≥ ′•	≥',	≥ 5 16	≥ .	≥0
NO CEILING ≥ 20000	51.0 54.1	56.3 59.6	36.9 60.2	57.4 60.7		58.1 61.4	51	58.1 61.4	58.1 61.4	58 • 1 61 • 4	58.1 61.4	58 · 1 61 · 4	58.1 61.4	58.1 61.4	58.1 61.4	58 • 1 61 • 4
≥ 18000 ≥ 16000	54.1 54.1	59.6	60.2 60.7	61.2	61.2	61.4	61.4	61.4 61.9	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 14000 ≥ 12000	54.6 55.8	61.2 62.4	61.9 63.2	62.4 63.7	62.9 64.2	63.2 64.5	64.5	63.2	63.2	63.2	64.5	63.2	64.5	53.2 54.5	63.2	63.2
≥ 10000 ≥ 9000	57.9 58.6	65.0	67.0	66.2	68.0	67.0 68.3	67.0	07.0	67.0 68.3	67.0 68.3	67.0	67.0 68.3	67.0 58.3	67.0	67.0	67.0 68.3
≥ 8000 ≥ 7000	59.4 59.6	68.0		69.3 70.1	70.3	70.6 71.3	70.6 71.3	70.6	70.6 71.3	70.6 71.3	70.6	70.5	70.6	70.6	70,6	70.6
≥ 6000 ≥ 5000	61.2	77.1	71.3	72.3 75.6		73.6	73.9 77.4	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73,9	73.9
≥ 4500 ≥ 4000	63.2 65.0	73.4	74.6	75.6 78.7	76.9	77.2 81.5	77.4	77.4 51.7	77.4 81.7	77.4	77.4	77.4	77.4	77.4	77,4	77.4
≥ 3500 ≥ 3000	65.2	77.2	75.2 78.7	79.4	81.5	82.2 82.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 2500 ≥ 2000	66.0	77.9	79.2	80.5	83.0	83.2	84.0 83.0	84.0 8 <b>5.</b> 0	84.0		84.0	84.0 25.0	84.0	84.0	85.0	84.0
≥ 1800	66.0 66.2	77.9 78.2 78.4	79.7 79.9	81.0 81.2 82.0	83.0	83.8	85.0 85.6	85.0 85.8	85.0 85.8	85.0 85.8	85.0	85.0	85.0 85.8	85.0	85.0	85.8
≥ 1200 ≥ 1000	66.2	79.4 79.4	80.5 80.5	82.2	84.5	85.3 85.8	96.5 87.6	86.5	86.5	87.6	86.5	87.5	86.5	86.5	87.6	86.5
≥ 900 ≥ 800 ≥ 700	66.2	78.7 78.7	80.7	83.0 63.2	85.0 85.d	85.8 87.1	97.6 85.3 92.1	87.8 d9.6	87.8 89.6 92.4	88.1 89.8 92.6	88.1 89.8	89.9	89.8	89.8	88,1	89.8
≥ 600	66.2	78.7 78.7	80.7 80.7	83.2 83.2	86.5	88.8	93.1	93.4	93.4	92.0 94.2 95.2	94.9	93.4	94.9	93.4	93,4	94.9
≥ 500 ≥ 400 ≥ 300	66.2	78.7 78.7	80.7 Ho.7	63.2 83.2	86.5	88.8	9201	94.2	94.2	95.4	97.7	96.2 97.7 97.7	96.2 97.7 98.5	96.2 97.7 98.5	96,2 97.7 98.5	96.2 97.7 98.5
≥ 100	66.2	78.7	80.7	83.2 83.2	80.5	88.8	93.1	94.2	94.2	95.4	97.7	97.7	98.7	98.7	98.7	98.7
≥ 0	66.2	79.7	80.7	63.2	86.5	68.9	92.1	94.2	94.2	95.4	97.7	97.7	96.7	98.7	99.0	

TOTAL NUMBER OF OBSERVATIONS

394

1 4.

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OREQUETE

GLOBAL CLIMATGLUGY BRANCH USAFFTAC AIR MEATHER SEPVICE/MAC

### CEILING VERSUS VISIBILITY

93744 MARTIN MAKJETTA AIRFIELD MD

71-7"

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS 151

CEILING					<del></del> -		VIS	BILITY (ST.	ATU1E MIL	ES1				····	<del></del>	
FEET	≥10	≥6	≥5	≥4	≥3	≥2¹າ	≥ 2	≥1%	≥114	≥1	≥ ′4	≥ ′•	≥ '	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	41.5 45.3	50.7 56.6	51.6 57.8	52.5 58.6	53.4 59.5	59.5 59.6	53.6 59.7	53.6 59.7	53.6 59.7		53.6 59.7	53.6 59.7	53.6 59.7	53.6 59.7	53,6 59,8	
≥ 18000 ≥ 16000	45.5 45.6	56.9 57.1	58.1 58.3	58.9 59.1	59.9	60.0 60.2	60.0 50.2	50•1 60•2	60.2	60.1 60.2	6C.1	60.1 60.3	60.3	60.1 60.3	60.1	60.2
≥ 14000 ≥ 12000	45.9 47.1	57.7 59.3	59.0 60.6	59.9	60.6 62.5	60.9 62.6	51.0 52.7	61.0	61.0 52.7	61.0 62.7	61.0	61.0	61.0 62.8	62.8	61.1 62,8	61.1
≥ 10000 ≥ 9000	48,4	62.0	63.6	64.5	65.4	65.0 65.6	65.1 65.7	65.7	65.7	65.7	65.2	65.8	65.8	65.8	65,8	65.9
≥ 8000 ≥ 7000	50.5	65.9	67.8	69.0	70.4	70.6	56.5 76.8	70.9	70.9	68.6 70.9	08.6 70.9	70.9	71.0	68.6	71.0	71.0
≥ 6000 ≥ 5000	51.2 52.8	67.1 59.7	59.0 71.9	70.4	71.9 75.0 75.9	72.2	72.4	72.5	72.5	75.6	72.5 75.6	72.5	72.6	72.6	72,6	72.6
≥ 4500 ≥ 4900 ≥ 3500	54.7	77.2	75.5	77.1	79.0	79.3	74.4	79.8	76.4 79.8	79.8	76.5 79.8	76.5 79.8 81.1	76.5 79.9	76.5 79.9 81.2	76,6 79,9	76.6 79.9 81.2
≥ 3500 ≥ 3000 ≥ 2500	55.d	75.3	77.9	72.5	81.7	82.2	82.6 Pà.3	62.8 33.8		82.9	83.0	83.1	83.0	83.0	83.1	83.1
≥ 7000	56.0	76.2	79.6	80.9	83.3	84.0	94.7 85.0	45.0	85.1	85.2	85.2	85.2	85.3 85.5	85.3	85.3 85.6	85.4
≥ 1500	56.1	74.8 77.3	79.7	01.7	75.6	85.2	85.1 77.3	87.F	86.5	86.6	86.7 88.0	86.7	86.7 86.1	86.7 88.1	86.8	86.5
≥ 1000	56.1 56.1	77.6	80.7	83.2	86.3	87.2 87.8	96.3	88.9	86.9	89.2 90.2	90.3	89.4	90.5	89.5	90.5	89.5
≥ 800	56.1 56.1	77.9	81.1 81.2	33.8 83.9	87.2 87.5	\$8.3 88.9	9(.7	90.7	90.8	91.3	91.4	91.5	93.0	91.6	91.6	91.6
≥ 500	56.1	78.0	81.3	84.7	87.6	89.1 89.5	91.0	92.3	92.6	93.3	93.7	93.9 95.1	94.3	94.3 95.8	94.4	94.4
≥ 400 ≥ 300	50.1	79.1 79.1	81.3	84.7	87.9	59.5 89.6	91.7	93.7	94.0	95.6	95.6	96.8	97.0	97.1		97.2
≥ 100	56.1	79.1 79.1	81.3	84.1	87.5	89.6	31.9	94.0	94.6	95.7	96.7	96.9	98.4	98.8 98.9	99.4	99.4 99.8
<u></u>	50.1	7º • 1	81.3	84.1	87.9	9.60	91.9	94.1	94.6	95.7	96.7	96.0	98.5	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

315

GLOBAL CLIMATULORY BRANCH USAFETAC AIR FEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-70

MAR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600=0800 HOURS 1 51

CEILING							√1 <u>9</u>	SPILITY IST	ATUTE MIL	.ES1						
FEET	≥10	≥6	≥ 5	≥4	≥3	≥2"7	≥ 2	≥ı'. 	≥114	≥1	≥ ′₄	5,₁	≥1,	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	30.4 33.1	45.1		1 12 1					46.1 52.1	46.4 52.4			46.7	46.7		
≥ 18000 ≥ 16000	33.4 33.4	46.4		50.3 50.3	51.5 51.5			52.7	52.7 52.7	53.0		53.3	53.3	53.3	53.3	53.
≥ 14000 ≥ 12000	34.3 34.6	48.2		51.8 52.1	53.0	53.9	54.2 54.5	54.2	54.2 54.5	54.5	54.0	54.8	54.8 55.1		54.8 55.1	54.
≥ 10000 ≥ 9000	37.0 37.7	57.7 53.3	56.0	57.5 58.1	58.7 59.3	59.5	59.9		59.9			60.5	60.5		60.5	60.
≥ 8000 ≥ 7000	39.5	58.4		61.7	63.3	54.2	64.5	66.9	64.5	54.8	65.1	65.1	65.1	05.1 57.5	65.1	61 • 65 • 67 • !
≥ 6000 ≥ 5000	41.6	60.2		65.7	67.3	59.0	69.3	69.3	69.3		69.9	69.4	69.9			69.9
≥ 4500 ≥ 4000	43.4		1 1		70.8		72.3		72.3	72.6	72.9		72.9	72.9		72.
≥ 3500 ≥ 3000	3	64.6			74.4 76.8	75.9	70.5 7:.9	75.5 78.9	76.8	77.1		77.7	77.7 PU-1		78,0 80.4	78.0
≥ 2500 ≥ 2000	44.9	09.3		77.1 78.3	79.2 80.4		F1.3	81.3 a2.5			82.5	82.5	82.5	82.8	82,8 84.3	82.
≥ 1800 ≥ 1500	45.2	69.3		78.3 78.9	80.4	81.9	R2.5	32.5 33.1	82.8	83.1	84.9	84.9	84.0 84.9	84.3	84,3	84.
≥ 1200 ≥ 1000	45.5	54.A	75.0 76.5		81.9	85.7		04.6 06.1	84.9		86.7	86.7	86.7	87.0 88.9	87.0	87.0
≥ 900 ≥ 800	45.5	70.7	76.5 76.5		83.4	85.2	80.1	87.0	86.4	87.3	P8.6	85.6	88.6 89.8	88.9 90.1	88.9	88.90
. 700 ≥ 600	45.5 45.8	70.5	76.8	81.0		67.3 88.6	88.5	88.9	89.2 91.0	90.4	91.6	91.6	91.6		91.9	91.9
≥ 500 ≥ 400	45.8	70.8	77.4		85.8		97	91.6	91.9 92.5	93.4	95.2	95.2	95.5	95.8	95.8 97.3	95.8
≥ 300 ≥ 200	45.8	70.8		81.6	85.8	89.2	91.3	92.2	93.1	94.6	97.0	97.0	97.6	94.3	98.5	98.8
> 100 - 0	45.8	70.8 70.8		61.6	85.8	89.2	71.3	92.2	93.1	94.6	97.0	97.0	97.9	98,8	99.4 99.4	99.7

TOTAL NUMBER OF OBSERVATIONS

332

USAF ETAC 1/2 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLGGY BRANCH USAFFTAC AIR EATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

93744

MARTIN MAKIETTA AIRFIELD MD 71-78

MAR

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING				****			VIS	BILITY (ST	ATUTE MILI	ES)						
FEET	≥10	≥6	≥5	≥ 4	≥ 3	בי'2	≥ 2	≥1'7	≥114	≥1	≥ 14	≥ ',	\$1,	≥5 16	≥ .	≥0
NO CEILING 2 20000	32.7 36.0	42 • 3 49 • 3	45.1 52.6	45.3 52.7	45.0 53.0	45.6 53.2	45.6	45.6 53.2	45.6 53.2	45.6 53.2	45.6 53.2	45.6 53.2	45.6	45.6	45,6	45.6 53.2
≥ 18000 ≥ 16000	36.3 36.3	49.6	52.9 52.9	53.0 53.0	53.3 53.3	53.5 53.5	53.5 53.5	53.5 53.5	53.5 53.5	53.5 53.5	53.5 53.5	53.5 53.5	53.5	53.5 53.5	53.5 53.5	53.5 53.5
≥ 14000 ≥ 12000	36.6 36.9	50.4 51.7	53.6 54.3	53.8 54.7	54.1 55.0	54.3 55.2	54.3 55.2	54.3 55.2	54.3 55.2	54.3 55.2	54.3 55.2	54.3 55.2	54.3 55.2	54.3 55.2	54,3 55.2	54.3
≥ 10000 ≥ 9000	40.0	56.3	58.4 59.7	58.9 60.2	59.2 60.5	59.4 60.6	59.4 60.6	59.4 60.6	59.4 60.6	59.4 60.6	59.4 60.6	59.4	59.4 60.6	59.4	59.4	59.4
≥ 8000 ≥ 7000	42.3 42.5	58.0	62.6	63.4	63.7	64.3	63.9	63.9 64.3	63.9	63.9 64.3	64.3	63.9	63.9	63.9	63.9	63.9
≥ 6000 ≥ 5000	43.1 44.0	9.69	67.1	68.5	67.6	67.8	67.8	69.9	67.8	67.8 69.9	67.8	67.8	67.8	67.8	67.8	69.9
≥ 4500 ≥ 4000	44.5	67.1	71.2	73.5	70.4 74.9	70.7 75.5	7,.7	70.7 75.5	70•7 75•5	70.7 75.5	70.7	70.7 75.5	70.7	70.7	70.7	70.7 75.5
≥ 3500 ≥ 3000	46.4	67.A	73.6	74.0 76.1	75.5	76.0 78.4	70.0 70.4	76.0 78.4	76.0	76.0 78.4	76.0 78.4	76.0 78.4	76.0 78.4	76.0 78.4	76,0 78,4	76.0 78.4
≥ 2500 ≥ 2000	48.1 48.1	72.1	76.3	78.4	81.4	80.8	84.0	82.0	80.8 82.0	80.8 82.0	80.8	80.9 82.0	80.6	82.0	80,8	80.8
≥ 1800 ≥ 1500	48.1	72.2	77.2	79.5 80.8 81.1	81.6	83.6	Я2.3 Я9	82.3	82.3	84.0	84.0	82.3 84.0	82.3 84.0	82.3	82.3	82.3
≥ 1200 ≥ 1000 ≥ 900	48.7	74.6	78.9	82.5	83.7	84.5	85.0 87.0	35.1 37.3	85.1 87.3 87.9	85.3	85.3	85.3 87.4	85.3	85.3	95.3 87.4	87.4
≥ 900 ≥ 800 ≥ 700	48.7	74.6	79.4	62.9 83.1	86.5 86.8	88.2 58.8	87.6 89.1 9.1	57.9 59.5	89.5 90.4	88.1 89.6 91.0	88.1 99.0	88.1	89.6 91.0	89.6	88.1 89.6	88.1 89.6
≥ 600	48.7	74.7	79.6	83.6	87.8	89.8 90.5	91.2	92.4	92.4	91.0 93.0 94.9	93.0	91.0	93.0	93.0	91.0	91.0
≥ 500 ≥ 400 ≥ 300	48.7 48.7	74.7	79.8	83.6	88.3	90.7	92.7	94.6	94.0 94.7 95.2	96.0 96.6	95.0 96.6 97.2	95.2 96.9 97.5	95.2 97.4 98.1	95.3 97.5 98.8	95.5 97.7 98.9	95.5 97.7 98.9
≥ 200 ≥ 100	48.7	74.7	79.8	83.6	88.7	91.0	9.2	95.0	95.2 95.2	96.6	97.7	98.0	98.6	99.2	99.5	99.5
2 0	48.7	74.7	79.8	83.6	86.7	91.0	9,.2	95.0	95.2	96.6	97.8	98.1	98.8	99.4		100-0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 10: 64 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLURY DRANCH USAFETAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

93744

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MARTIN MAKIETTA AIRFIELD MD

71-78

MAR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	BILITY (STA	ATUTE MILE	E5)				_		
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥217	≥ 2	≥1'7	≥11/4	≥1	یا ≲	≥`*	21/	≥ 5 16	≥'4	≥0
NO CEILING ≥ 20000	38.0 42.1	45.1 51.7	45.9 52.0	40.1 53.0	40.2 53.2	46.2 53.2	46.2 53.2	46.2 53.2	46.2 53.2	46.4 53.3	46.4 53.3	46.4 53.3	46.4 53.3	46.4 53.3	46.4 53,3	46.4 53.3
≥ 18000 ≥ 16000	42.1 42.3	51.9	52.8 53.0	53.2	53.2 53.3	23.2 23.3	53.2 53.3	53.2 53.3	53.2 53.3	53.3 53.5	53.3 53.5	53.3 53.5	53.3 53.5	53.3 53.5	53.3 53.5	53.3
≥ 14000 ≥ 12000	42.7	53.A	55.0	55.2	55.5	54.1 55.5	55.5	54.1 55.5	55.5	55.7	55.7	55.7	55.7	55.7	54.3 55.7	54.3 55.7
≥ 10000 ≥ 9000	44.8 45.6	57.9	58.4	58.5	59.0	59.9	51.8 59.8	58.8 59.8	58.8 59.8	59.9	59.0 59.9	59.0 59.9	59.9	59.0 59.9		59.0 59.9
≥ 8000 ≥ 7000	47.0	61.5	62.9	63.4	64.2	64.7	64.8	62.9	64.8	65.0	65.0	65.0	63.1	65.0	65.0	65.0
≥ 6000 ≥ 5000	47.6	04.2	67.7	68.5	69.4	69.9	7(1.0	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4500 ≥ 4000	50.6 54.1	72.9	74.3	75.2	76.5	77.0	75.0	77.3	77.3	77.4	73.2	77.4	77.4	77.4	77.4	73.2
≥ 3500 ≥ 3000	54.7 55.8	75.9	77.4	78.7	80.0	79.5 80.4	80.8	80.8	80.8	80.9	80.9	80.9	80-9	80.9	79,0 80,9	80.9
≥ 2500 ≥ 2000	56.2	77.4	78.9	80.3	82.5	83.0	83.4	63.0 63.4	83.4	83.6	83.6	83.5	R3.6	83.1	83,1	83.6
≥ 1800 ≥ 1500	56.2	72.5	80.4	32.3	84.4	83.4	83.9	83.9 85.3	83.9	85.6	85.0	84.1	85.6	85.6	85,6	84.1
≥ 1000 ≥ 1000	50.2 56.2	79.2	81.5	82.5	85.E	86.6	P7.2	86.0 87.5	87.5	88.0	86.3 88.0	86.3 88.0 85.3	88.2 88.5	86.3 88.2 88.5	86.3 88.2 88.5	88.2
≥ 900 ≥ 800	50.2	79.5		84.5	87.4 87.4	85.9 88.6 90.2	99.3	87.9	87.9 89.7	90.2 92.6	90.4	90.4	90.5	90.5	90.5	88 • 5 90 • 5
± 700 ≥ 600	56.2	79.5	32.5	85.3	89.1	91.0	92.1	92.0 92.9	93.2	93.8	94.2	94.2	94.3	94.3	94.3	92.9 94.3 97.5
≥ 500 ≥ 400	56.2	79.1	83.0	85.3	90.1	92.3	93.8	95.3	95.9	97.0	97.6	97.8	98.1	98.1	98,1	98 - 1
≥ 300 ≥ 200	56.2	79.8	83.0	85.3	90.2	92.4	94.0	95.7	96.7	98.4	99.5	99.5	99.8	100.0	00.0	00.0
≥ 100 ≥ 0	56.2	79.8	83.0	d5.3	90.2					98.4	99.5	99.5			00.0	

TOTAL NUMBER OF OBSERVATIONS

634

USAF ETAC 10 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATULUCY SPANCH USAFETAC AIR JEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

93744

MARTIN MAKIETTA AIRFIELD MD

11-7E

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## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES1						
FEET	≥10	≥ 6	≥4	≥4	≥3	≥21/2	≥ 2	≥11/2	≥114	≥1	≥ 34	≥ '•	≥1/	≥ 5 16	≥ ,	≥0
NO CEILING ≥ 20000	40.1 45.5	45.7 55.0	46.1 55.3		46.4 55.8	46.4 55.8	46.4	46.4 55.8	46.4 55.8		46.4 55.8	46.4 55.8	46.4 55.6	46.4 55.8	46.4	· 1
≥ 18000 ≥ 16000	45.5 45.7	55.0 55.1	5 <b>5.</b> 3	55.7 55.4	55.0 56.0	55.8 56.0	55.8 50.0	55.8 56.0	55.8 56.0	55.8 56.0	,	55.8 55.0	55.8 56.0	55.8 56.0	55.8 56.0	55.8 56.0
≥ 14000 ≥ 12000	47.1 48.2	56.5 57.9	56.9 58.1	57.2 58.5	57.4 58.8	57.4 58.8	57.4 50.8	57.4 58.8	57.4 58.8	57.4 58.8	57.4 58.8	57.4 58.8	57.4 58.6	57.4 58.8	57,4 58,8	57.4 58.8
≥ 10000 ≥ 9000	50.1	61.3	61.6	62.3	62.5	62.5	62.5	60.9 62.5	62.5	60.9	62.5	60.9	60.9	60.9 62.5	62.5	60.9 62.5
≥ 8000 ≥ 7000	52.7	63.7	64.0	66.3	66.5	64.9	65.1	65.7	65.1	65.1	65.1	65.1	65.1	65.1 66.7	65.1	65 · 1
≥ 6000 ≥ 5000	53.6 56.7	70.7	71.7	68.2 72.4	72.6	68.6 72.8	72.9	68.8	72.9	72.9	68.8 72.9	68.8 72.9	72.9	68.8 72.9	68.8 72.9	68.8 72.9
≥ 4500 ≥ 4000	56.8	76.1	77.5	78.4	75.0 78.5	75.2 78.7	75.4 75.9	75.4	75.4 78.9	75.4	75.4	75.4 78.9		75.4	75.4 78.9	75.4
≥ 3500 ≥ 3000	62.3	31.2	79.9 83.1	83.9	81.0 84.1	84.3	61.3 84.5	81.3 34.5	84.5	81.3	81.3	81.3 84.5	84.5	84.5	84.5	81.3
≥ 2500 ≥ 2000	64.4	87.4	85.2	85.2	86.2	85.5	85.7	65.7 66.6	86.6	85.7	85.7	85.7 86.6	85.7 86.6	85.7	85.7	85.7 85.6
≥ 1800 ≥ 1500	64.6	83.4	85.3 86.4	86.2 87.3	88.0	86.7	я <sub>с.</sub> 9 я <sub>с.</sub> 5	86.9	88.5	86.9	86.9	86.9 88.5	86.9	86.9	86.9	86.9
≥ 1200	65.3	65.3 64.3	86.9 87.6	87.8 £8.8	88.5 *9.7	89.9	9.4	90.9	90.9	90.9	90.9	89.4 90.9	90.9	90.9	90.9	90.9
≥ 900 ≥ 800	65.3	85.3	88.1	8 <b>9.</b> 9	90.2 90.6	90.4 91.8 92.5	92.2	91.4 93.7 94.8	91.4 93.7 94.8	91.4 93.7 94.9	91.4	91.4	91.4 93.7 94.9	91.4 93.7 94.9	91.4	91.4
≥ 600	65.3	65.3	88.1	90.1	92.0	93.2	94.1	96.5	96.5	96.7 98.1	94.9 96.7 98.1	94.9 96.7 98.1	96.7	96.7 98.1	94.9 96.7 98.1	94.9
≥ 500 ≥ 400 ≥ 300	65.3	d5.3	88.3	90.1	92.5	93.9	90.2	98.6	98.4	99.1	99.1	99.1 99.8	98.1 99.1	99.1	99.1	98 • 1 99 • 1 99 • 8
≥ 100 ≥ 100	65.3	35.3	88.3	90.1	92.5	94.1	9:3	98.6 98.6	99.0	99,8	100.0	100.0	100.0	100.0	100.0	100.0
- 0	65,3	05.3	38.3	90.1	92.5	94.1	9 3	99.6	99.0	99.8	00.0	100.0	100.0			100-0

TOTAL NUMBER OF OBSERVATIONS

57

USAF ETAC 2.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE

GLOBAL CLIMATOLOGY BRANCH USAFRTAC AIR HEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

93744

MARTIN MARTETTA AIRFIELD MC

71-73

MAR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 HOLES 131

CEILING							VIS	BILITY (ST	ATUTE MIL	ES:						
FEET	≥10	≥6	≥ 5	≥4	≥ 3	≥212	≥2	≥1'2	≥114	≥ì	≥ ′₄	≥ ′•	≥',	≥ 5 16	≥ 4	≥0
NO CEILING ≥ 20000	45.8 51.6	59.7	51.6 59.6	52.0				52.2			52.2	52.2	52.2	52.2	52,5	52.5 60.9
≥ 18000 ≥ 16000	51.6	59.7	59.6	60.3	60.7	60.7		60.7	50.7	60.7	60.7	60.7	60.7	60.7	60,9	60.9
≥ 14000 ≥ 12000	52.0 54.0	67.4		64.5	61.6 65.0		51.6 65.0	61.6	61.6		51.6 65.0	61.6	61.6	61.6	61.8	61.8
≥ 10000 ≥ 9000	57.4 57.6	67.6	57.5 58.5	68.3 69.2	69.6		A., 8	08.8	68.8	68.8	69.6	68.8	69.6	68.8 69.6	69.0	
≥ 8000 ≥ 7000	62.1	73.0	74.1 75.4	74.× 76.1	75.2 76.0	79.2 76.5		75.2	75.2	75.2	75.2 76.6	75.2 76.6	75.2 76.6	75.2 76.6	75,4	75.4
≥ 6000 ≥ 5000	63.8	75.7	76.8 79.J	77.7	78.1 80.4	78.1 80.4	7: •1 8 •4	78.1 30.4	78.1 80.4	78.1	78.1 80.4	78.1 80.4	78.1	78.1	78.3	
≥ 4500 ≥ 4000	67.6	79.n	80.1 63.3	81.0 84.2	84.U	81.5	41.5 8.8	81.5 44.8	81.5	81.5	91.5	81.8	81.5	81.5	81.7 85.0	81.9
≥ 3500 ≥ 3000	67.9	04.3	86 e ë	86.7 87.9	88.0		10.00	86.6	86.8		86.8	86.A 88.A	86.8 88.6	86.8 85.6	87.1	87.3 89.1
≥ 2500 ≥ 2000	70.1	05.6 17.0	90.2	91.3	90.2 92.0	90.2 92.0		90.2	90.2	90.2		90.2	90.2	90.2	90,4	90.6
± 1800 ± 1500	70.1	58.2 58.2		92.0		92.6	92.6		92.4		92.4	92.4	92.4	92.4	92.6	92.9
≥ 1200 ≥ 1000	70.1	2ក•្ក 28•្ក	91.5	92.6		93.3			93.5	93.5	93.5	93.5	93.5	93.5	93.8	94.0
≥ 900 ≥ 800	70.1	SH.R SH.R	91.5	93.1	94.0	94.2	94.2		93.8	93.8	93.8	93.8	94.4	93.8	94.0	94.2
± 700 ≥ 600	70.1	80.8	91.5	93.1	94.2	94.4	93.1		94.6	94.9		94.9	94.9	94.9	95.1	95.3
å 500 ∌ 400	70.1	d9.8		93.3		96.0 95.0	20.02	96.9	97.1	98.2	98.2	98.0	95.6	98.0		98.4
≥ 300 ≥ 200	70.1	38 . B		93.3	95.3	96.0 96.0		97.5		98.9	08.9	98.9	99.1	99.1 99.1	99,6	99.8 00.0
2 100 2 0	_ 1	ţ	91.5 91.5	93.3			95.2					98.9	99.1	99.1	99.6	00.0

TGTAL NUMBER OF OBSERVATIONS

448

USAF ETAC 14 40 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFFTAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

93744

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MARTIN MARIETTA AIRFIELD MO

71-78

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## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							VIS	BILITY (ST	ATUTE MIL	ES1						
FEET	≥10	≥6	≥ 5	≥4	≥ 3	≥ 2 ¹ 2,	≥ 2	≥17	≥1′₄	≥1	≥ ¼	≥ ′•	≥',	≥ 5 16	≥ ,	≥0
NO CEILING ≥ 20000	57,7	62,3	62,9	63.2	63.2			63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.
≥ 18000 ≥ 16000	61.2	67.2	67.8	68.1	68,4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68,4	68.
≥ 14000 ≥ 12000	63.5	71.6	70.1	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.0
≥ 10000 ≥ 9000	67.5	74.8	75.4 77.1	75.7 77.4	75.9	75.9	75.9 77.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76 - 2
≥ 8000 ≥ 7000	69.3 70.1	79.1	79.7 80.9	80.0 81.2	80.3	80.3	80.3 81.4	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.6
≥ 6000 ≥ 5000	71.9	82.0	82.6 85.2	82.9 85.5	83.2	83.2 85.8	2 . و B	83.2 85.8	83.2	83.5	83.5	83.5	93.5	83.5	83.5	82.8
≥ 4500 ≥ 4000	73.6	84.9	85.5 86.7	85.8 87.0	86.1	86.1	8c.1	86.1	86.1	86.4	86.4 87.5	86.4	86.4	86.4	86,4	86.7
≥ 3500 ≥ 3000	74.5 75.1	47.8 60.0	88.4 90.1	88.7 90.4	89.6	d9.6 91.3	91.3	69.6 91.3	89.6 91.3	91.6	99.9	89.3	89.9	89.9 91.6	39.9	90-1
≥ 2500 ≥ 2000	75.4 75.9	30.0 90.4	91.0 91.7	91.3 92.2	92.2	92.2	97.2	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.6
≥ 1800 ≥ 1500	75.9 75.9	50.4 51.0	91.9 93.U	92.2	93.0 94.2	93.0 94.2	93.0	93.0	93.0	93.3	94.5	93.3	93.3	93.3	93.3	93.6
≥ 1200 ≥ 1000	75.9 75.9	51.0 51.3	93.0 93.3	93.3 93.6	94.2	94.2	94.2	94.2	94.2	94.5	94.5	94.5	94.5 94.8	94.5	94.5	94.8
≥ 900 ≥ 800	75.9 75.9	91.3 91.3	93.3	93.A 93.6	94.5	94.5	94.5	94.5	94.5	94.8	94.8	94.8	94.6	94.8	94.0	95.1
2 700 2 <b>6</b> 00	75.9	91.6	93.3	93.6	94.5	95.9	94	95.4	95.4	95.7 96.8	95.7	95.7 96.8	96.8	95.7	95,7	95.9
<ul><li>500</li><li>≥ 4(xi)</li></ul>	75.9 75.9	91.6 91.6	93.6	94.5	95.7 95.7	96.5	97.1	97.4	97.4	98.0 98.0	98.0	98.0	98.3	98.0	98.0	98.3
≥ 300 ≥ 200	75.9	51.6 51.6	93.6	94.5	95.7 95.7	96.5 96.5	97.1 97.1	97.4 97.4	97.4	98.0 98.0	98.3	98.3	98.3	98.3	98,3	98.5
4 100 4 0	75.9 75.9	91.6	93.6	94.5	95.7	96.5		97.4	97.4	98.3	98.8	98.8	99.1	99.1	99.11	00.0

TOTAL NUMBER OF OBSERVATIONS

345

GLOBAL CLIMATOLURY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

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MARTIN MARTETTA AIRFIELD MO

71-78

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## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS IST

CEILING							VIS	BILITY (ST	ATUTE MIL	ES:						
FEET	≥10	≥6	≥5	≥4	≥3	≥2'י	≥ 2	≥1%	≥1'₄	≥1	≥ 34	≥'•	≥ ',	≥ 5 16	≥ 4	≥0
NO CEILING ≥ 20000	39.9 44.0	,		48.5 55.8	40.8 56.2	48.9 56.3	45.0 50.4	49.0	49.0		49.1 56.5	49.1	49.1 56.5	49.1 56.5	49.1	,
≥ 18000 ≥ 16000	44.2	54.2 54.3	55.5 55.7	56.0 56.1	56.4 56.5	56.5 56.6	56.6 55.6	56.6 56.6	56.6 56.6	56.6 56.7	56.7	56.7 56.7	56.7 56.7	56.7 56.7	56.7 56.8	56.7
≥ 14000 ≥ 12000	45.1 45.9	55.4 56.8	56.9	57.3 58.8	57.7 59.2	57.8 59.3	57.8 54.4	57.8 59.4	57.8 59.4	57.9 59.4	57.9 59.5	57.9 59.5	47.9 59.5	57.9 59.5	58.0 59.5	
≥ 10000 ≥ 9000	48.4	61.3	63.0	62.4	62.8 64.0	62.9	რ⊴.0 64.1	63.0	63.0	63.0	63.1	63.1 64.2	63.1 64.2	63.1	63.1	63.1
≥ 8000 ≥ 7000	51.0 51.5	65.5	67.3	68.1	68.7	68.9	59.0	67.6 69.0	67.6 69.0	67.7 69.1	67.7 69.1	67.7 69.1	67.7 69.1	67.7	67.7	67.8
≥ 6000 ≥ 5000	53.7	69.9	59.4 71.8	70.3	73.6	73.9	71.4	71.4 74.0	71.4 74.0	71.5	71.6 74.2	71.5 74.2	71.6 74.2	71.5	71.6	71.7
≥ 4500 ≥ 4000	57.1 57.5	74.3	76.5	77.8	75.3	79.1	75.3	75.7	75.7 79.3	75.8	75.8 79.5	75.5 79.5	75.8 79.5	75.8 79.6	75.9	75.9 79.7
≥ 3500	58.4 58.9	77.4	79.9	61.5 83.1	82.6	83.0	87.2	ε0.9 03.2	80.9	83.3	81.1	81.1	P1.1	81.1	81,2 83,4	81.2
≥ 2500 ≥ 2000	59.2	79.A		34.1	85.4	84.8 85.8	85.0 Rc.0	85.0	85.0	85.1	86.3	85.2 86.3	96.3	85.2	85.3 86.3	85.3
≥ 1800 ≥ 1500	59.2	80.3	83.5	85.3	86.7	87.2 87.8	R7.5	66.3 d7.5	87.6	86.5	86.6	86.6 87.9	87.9	86.6	86.6	86.7
≥ 1200 ≥ 1000	59.5	01.2	84.5	86.5	80.3	89.0	49.3 Hy.5	68.4 19.7	89.7	90.0	90.1	90.1	90.2	88.8 90.2	88.8 90.2	88.9
≥ 800	59.5	81.3	84.8	67.1 87.3	89.3		91.2	90.0 91.4 92.6	90.1 91.5 92.7	90.3	90.5	90.5	90.5	90.5	90.6	90.6
≥ 600	59.5	01.4	85.1 85.2	87.5	90.5	92.0	95.2	94.1	94.2	94.7	94.9	93.3	95.0	93.4		93.5
≥ 500   2 400   ≥ 300	59.5	81.5	85.2	87.7	91.2	92.9	04.4	95.8 95.2	96.1	97.1	97.5	96.9 97.8		97.1 98.1	97,1	97.2
≥ 200		51.5 81.5	85.2	87.7	91.2	93.1	94.7		96.6	97.9	98.5 98.7 98.8	98.8	99.2	99.1	99.6	99.7
≥ 00 ≥ 100	59.5		85.2									98.8 98.9		99.5	99.7	99.9 00.0

TOTAL NUMBER OF OBSERVATIONS

2974

USAF ETAC 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFFTAL AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-70

APR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

CFILING	VISIBILITY (STATUTE MILES)															
FEET	≥10	<b>≩</b> 6	≥ 5	≥4	≥3	≥2',	≥ 2	≥1'2	≥1'4	≥1	≥ 1,4	≥ ′•	≥',	≥ 5 16	≥ .	≥0
NO CEILING ≥ 20000	40.5	56.5	55.0	55.6	56.2			56.5 62.1	56.5		56.8			56.8	56.8	56.8
≥ 18000	43.5	57.7	61.2		62.7	63.0	1	63.3			62.4			62.4	62.4	
≥ 16000	43.5	57.7	61.2	61.8	62.7	63.0		63.3	1		63.6			63.6	63.6	63.0
≥ 14000	43.8	59.0	61.5	62.7	63.6		1	54.2			64.5		<del></del>	63.6	63.6	63.6
≥ 12000	44.7	59.R	63.9	65.1	66.0			66.6			66.9	66.9	66.9	64.5	64,5	A4.5
≥ 10000	40.7	64.5	50.5	59.8	70.7	71.0		71.3		71.6	71.6	71.6	71.6	66.9	66.9	66.7
≥ 9000	47.9	66.0	70.1	71.3	72.2	72.5		72.8	72.8	73.1	73.1	73.1	73.1	73.1	71.0	71.0
≥ 8000	48.8	67.3	72.5	73.7	74.5	74.9		75.1	75.1	75.4	75.4	75.4		78 4	73,1	73.1
≥ 7000	48.8	ć9.₽	74.3	75.4	76.3			76.9	76.9	77.2	77.2	77.2	77.2	77.2	77 4	75.4
≥ 6000	49.4	71.0	75.4	75.9	78.1	78.4		78.7	78.7		79.0	79.0		79.0	77.2	77.2
≥ 5000	50.6	74.0	78.4	79.9	81.4	81.7		82.0			82.2	82.2	R2.2	82.2	79.0	79.0
≥ 4500	30.9	74.9	79.3	80.8	82.2	82.5	1	82.8	لنائس		83.1	83.1	43.1	83.1	83.1	82.2
≥ 4000	52.7	77.P	82.2	84.0	85.5	65.3		06.1	86.1		86.4	86.4	R6.4	85.4	86.4	83.1
± 3500	53.3	79.4	83.7	85.5	87.0	87.3		87.6	87.6		97.9	87.9	87.9	37.9	87.9	86.4
≥ 3000	54.4	61.4	35.0	87.6	89.5	89.6	72		90.2		90.5	90.5	90.5	90.5	90.5	90.5
≥ 2500	35.3	87.1	87.6	89.0	91.4	91.7	92.3	92.3	92.3		92.6	92.6	92.6	92.6	92.6	
≥ 2000	55.6	04.0	88.5	90.8	92.0	92.9	93.5	93.5	93.5		93.8	93.8	93.8	93.8	93.8	92.6
≥ 1800	35.6	84.0	88.5	90.P	92.6	97.9	94.5	93.5	93.5			93.8	93.8	93.8	93.8	93.0
≥ 1500	55.6	34.3	88.0	91.1	92.9	93.5	04.1	94.1	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200	55.6	84.6	79.1	91.4	93.5	94.1	94.7	94.7		95.0	95 C	95.0	95.0	95.0	95.0	95.0
2 1000	55.6	04.9	89.3	91.7	93.0	94.4	95.0	75.0		95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	55.0	34.9		92.0	94.1	94.7	95.3	95.3	95.3			93.6	95.6	95.6	95.6	95.6
≥ 800	55.6	54.9	89.3	92.0	94.4	95.0	95.6	75.6	95.6	95.9		95.9	95.9	95.9	95.9	95.9
<u>2</u> 700	33.6	34.9		92.0		95.3	96.2	96.2	96.2			96.4	96.4		96.4	96.4
≥ 600	1	05.2		92.3		95.9	97.3	97.3	1	97.9	1	97.9	97.9	97.9	97.9	97.9
≥ 500			89.0			96.2	97.6	97.9				98.8			98.8	98.8
≥ 400		35.3		92.3		76.4	97.9	98.5	99.1			99.4	99.4	99.4	99.4	99.4
_ 500		85.7		92.3		96.4	97.9	1		99.4		99.4			99.7	
≥ 200	_	35.7		92.3		96.4		48.5	99.1			99.4	99.7	99.7	99.7	
	35.5	85.2	89.0	92.3	95.3		97.9	- 1	- 1						99.7	
· 0	55.6	64.5	89.6	92.3	95.5	94.4	9/.9	- 1			99.4			99.7	99.7	

TOTAL NUMBER OF OBSERVATIONS

234

USAF ETAC 12.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFFTAC AIR JEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MO

71-73

APR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							VIS	IBILITY IST	ATUTE MIL	ES						
FEET	≥10	≥6	≥ 5	≥4	<u>-</u> 3	≥2'2	≥ 2	≥1'7	≥1'₄	≥1	≥ ′4	≥ 'a	≥1,	≥ 5 16	≥ .	≥0
NO CEILING ≥ 20000	44.0		55.7 61.5				57.0 62.8									
≥ 18000 ≥ 16000	47.5	50.2		62.5	63.1	63.4	63.4	63.4	63.4	63.4	63.4	03.4	53.4	62.8	62.8 63.4	63.4
≥ 14000 ≥ 12000	48.0	61.0	53.0 05.2		63.9	64.3	54.3	64.3	64.3	64.3	63.4		64.3	64.3	64,3	64.3
≥ 10000 ≥ 9000	49.4	64.4	67.6	68.3	69.1	69.4	69.4	69.4	69.4	69.4	66.7 69.4	66.7		69.4	69.4	69.4
≥ 8000	50.1	67.6	70.0	70.7	71.5	70.0	70.0	70.0	70.0 71.8	70.0			70.0 71.6	70.0	70.0 71.8	70 • (
≥ 7000 ≥ 6000	51.5	70.0	72.6	73.3	74.1	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7 77.0	74.7	74.7	74.7
≥ 5000 ≥ 4500	54.9	74.6 78.8	77.6 78.9	78.3	79.4	79.9	8(.2 91.5	80.2	80.2	80.2	80.2	80.2	80.2	80.2	77.0 80.2	77.0 80.2
≥ 4000 ≥ 3500	57.2 58.0	79.7	83.9	83.4	84.5	35.0	85.3	85.3	81.5 85.3	81.5 85.3	81.5 95.3	85.3	81.5 85.3	81.5	81.5 85.3	81•3 35•3
≥ 3000	58.9	02.3	85.7	86.3	87.6		<sup>გ</sup> ი.5 მც.6	88.6	86.5 88.6	86.5 88.6	86.5 88.6	86.5 88.6	86.5 88.6	86.5	86.5	86.5
≥ 2500 > 2000	60.2	37.9	87.3	87.9 88.2	89.2	1	9, .2	90•2 90•8	90.2	90.2	90.2	90.8	90.2 90.8	90.2	90.2	90.
≥ 1800 ≥ 1500	60.2	25.2	87.8 88.7	88.6	90.2	90.8	91.3	91.3 92.8	91.3	91.3	91.3	91.3	91.3	91.3	91,3	91.3
≥ 1200 ≥ 1000	60.4	26.0	89.7 90.2	90.7	92.5	93.2 94.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	92.8	92.8	92.7
≥ 900 ≥ 800	60.4	64.2	90.5	91.5	94.0	94.8	95.5	95.3 95.7	95.7	95.8	95.5 95.0	95.8	95.5	95.5 95.8	95,8	95.5
<i>≥ 100</i> ≥ 600	60.4	86.2	90.5	91.5	94.2	94.9	95.5	95.7	95.7	95.8	95.6	95.R	95.8	95.8	95.8	95.
≥ 500 ≥ 400	60.4	86.3	90.8	91.6	95.0	90.5		98.1	98.2	97.7	97.7	97.7	97.7	97.7	97.7	98.4
≥ 300	50.4	54.3	90.8		95.2	96.9		98.2		98.7	98.7	98.7	98.7	98.7		98.
≥ 200 ≥ 100	60.4			91.8	95.2	96.9	9.4	98.7	99.0	99.4	99.5	99.5	99.7	99.7	99.7	99.4
≥ 0	60.4				- 1		•	98.7		_	99.5			99.7	99,7	99•7 0•00

TOTAL NUMBER OF OBSERVATIONS

62

USAF ETAC ..... 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLUSY BRANCH USAFFTAC AIR MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MO

71-75

APR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200=1400.

CÉILING		VISIBILITY (STATUTE MILES)														
FEET	≥10	≥6	≥ 5	≥4	≥3	≥2 %	≥ 2	≥ו'ס	2114	≥1	≥ 4	≥'₁	را≤	≥5 16	≥,	≥0
NO CEILING ≥ 20000	44.8 50.6	54.4	54.5 52.1	54.7 62.3	54.9 62.6	54.9 62.6	54.9 62.6	54.9	54.9 62.6		54.9 52.6	54.9 62.8	54.9	54.9 62.8	54.9 62.8	54.9 62.8
≥ 18000 ≥ 16000	50.6 50.5	65.0	62.1 62.3	52.3 02.5	52.6 52.8	62.6 62.8	52.8	62.8	62.6 62.8	62.8	62.8 62.9	62.9	52.8 52.9	62.8 62.9	62.8 62.9	62.5
≥ 14000 ≥ 12000	51.9	07.1	62.5 64.1	64.2	52.9 64.6	62.7 64.6	62.9	62.9	62.9 64.6	63.1 64.7	63.1	63·1 64·7	43.1	63 • 1 64 • 7	63.1 64,7	63 • 1 64 • 7
≥ 10000 ≥ 9000	53.2	65.2	66.5	66.7	67.0	66.8 67.0	66.8 67.0	66.8 67.0	67.0	67.0	67.0 67.2	67.0 67.2	67.0	67.0 67.2	67.0 67.2	67.2
≥ 8000 ≥ 7000	54.0 54.7	07.1	58.4 59.6	60.6 70.1	68,9 70.6	70.6	7( .6	70.6	70.6		69•1 70•7	69 • 1 70 • 7	70.7	69 • 1 70 • 7	70,7	69 · 1 70 · 7
≥ 6000 ≥ 5000	55.7 57.8	74.3	71.4 74.8	75.4	72.5 76.1	72.5 76.1	72.7 7c.2	72.7	72.7	72.8	72.8 76.4	72.8 76.4	72.8 76.4	76.4	72.8 76.4	72.8 76.4
≥ 4500 ≥ 4000	57.5 63.8	70.5 61.6	77.0 82.2	83.0	78.3 83.7	78.3 83.7	70.5 RJ.8	78.5 a3.8	78.5 83.8	78.6 84.0	78.6 84.0	78.6 84.0	78.6 84.0	78.6 84.0	78,6 84,0	78.6 84.0
≥ 3500 ≥ 3000	66.7	87.5 85.8	86.6	87.5	85.6 89.0	89.2	85.3	85.8 69.3	85.8	85.9	85.9	85.9	85.9 89.5	85.9	85,9	85.9
≥ 2500 ≥ 2000	67.2	85.7 85.9	87.7	89.0	90.5	90.8	91.3	90.9	90.9	91.1	91.4	91.1	91.1	91.4	91.1	91.4
≥ 1800 ≥ 1500	67.3 67.3	87.9	99.3	90.5	90.9	93.2	73.4	91.3	93.4	91.4	91.4	91.4	91.4	93.5	91.4	91.4
≥ 1200	67.8	88.5 89.0		91.6	94.2	96.1	94.8	96.4	96.4	95.0	95.0	95.0	95.0	95.0	95.0 96.6	95.0 96.6
≥ 900 ≥ 800	67.8 67.3	89.2 99.2	91.1	92.6 92.6	95.6	96.3 96.3	96.4	96.6	96.6 96.6	96.8	96.8	96.8	96.8	96.8	96.8 96.8	96.8
≥ 700 ≥ 600	67.8	69.2 89.2	91.1 91.1	92.6	95.6 95.8 95.8	96.3 96.8 95.9	96.8 97.4	96.9 97.6 98.2	97.7 98.4	97.4 98.1	97.6 98.4	97.A 98.4	97.0 95.4 99.2	97.6 98.4 99.2	97.6 98.4 99.2	98.4
≥ 500 ≥ 400	67.8	69.2 89.2	91.1	92.6	95.8	97.2	94.2 95.4	98.5	98.7	99.2	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	67.8	49.2	91.1	92.6	95.8	97.4	94	98.7	98.9	99.4	100.0	00.0	100.0	00.0	00.0	100.0
2 100 2 0	67.5		91.1	92.6				98.7	98.9	99.4	00.0	00.7	00.0	00.0	00.0	00.0

TOTAL NUMBER OF OBSERVATIONS

618

GLOBAL CLIMATOLOGY EPANCH USAFFTAC AIR "EATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

93744

MARTIN MAKTETTA AIRFIELD MD

71-78

APR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

,	·															
CEILING	VISIBILITY (STATUTE MILES)															
FEET	≥10	≥6	≥5	≥ 4	≥3	53,5	≥2	≥112	≥114	≥1	≩ ¼	≥ '•	≥',	2.5 16	2.	≥0
NO CEILING ≥ 2000+	49.1 56.1	55.8 52.8			56.1 63.8	54.1 63.8	56.1 52.8	56.1 53.8	56.1 63.8	56.1 63.8		56.1		56.1 63.8	56.1	56.1
≥ 18000	56.3	62.5		64.0			64.2	64.2		7	-					63.9
≥ 16000	50.3	63.P	64.0	64.3	64.5	64.5	64.5	64.5		64.5	64.5	64.5		64.5	64.2	64.2
≥ 14000	36.6			64.7	64.9		54.9	04.9	64.9			64.9			64.5	04.2
≥ 12000	57.7	05.4		65.9	66.1	66.1	56.1	66.1	66.1	06.1	66.1	66.1	66.1	64.9	64.9	64.9
≥ 10000	58.6		67.8	08.2	68.4		64	68.4	58.4			68.4		68.4	66,1	66.1
≥ 9000	58.0	67.8	68.0	58.4	68.9	1	65.9						68.9		68.4	68 - 4
≥ 8000	60.5	70.3		.0.8	71.3		71.3	71.	71.3	71.3	71.3	71.3	71.3		68.9	68.9
2 7000	61.5	72.4	72.6	72.9	73.4		7.4							73.4	71.3 73.4	71.3
> 6000	62.0	77.4	73.6	74.1	74.7		74.7	74.7	74.7		74.7	74.7	74.7	74.7		73.4
≥ 5000	66.3	77.8		78.3	79.0	79.0	79.0							79.0	74,7	74.7
≥ 4500	58.4	80.4	HU. B	81.1	81.8		81.8	81.8				81.7	81.8	81.8	81.8	79.0
≥ 4000	72.4	85.3	85.7	85.2	86.9	- 1						66.9			36.9	81.8
≥ 3500	73.1	86.5	86.9	£7.4	80.1	88.1	Bool	ø8•1	88.1	88.1	28.1	88.1	68.1	88.1	88.1	86.1
2 3000	74.1	6R.1	88.6	69.2	90 · G		96.0		90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2500	74.7	39.2	89.7	90.2	91.3		91.3	91.4	71.4		91.4	91.4	_			91.4
≥ 2000	74.0	37.5	90.2	90.7	91.0		91.8		92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
.⇒ 1800	75.7	40.4	91.1	91.6	92.7		92.7	93.0	93.0		93.0	93.0	93.0		93.0	
≥ 1500	75.9	91.1	91.0	92.3	93.4			93.7	93.7			93.7			93.7	
≥ 1200	75.9	91.6	92.8	93.5	95.1	79.3	95.3	95.6	95.6		95.6	95.6			95.6	
≥ 1000	75.9	91.6	93.4	94.1	96.3	96.5	95.7	97.2		97.2	97.2	97.2			97.2	
≥ 900	75.9	91.6	93.4	94.1	96.3	96.5	90.7	97.2	97.2	97.2	97.2	97.2			97.2	
≥ 800	75.9	91.6	93.5	94.2	96.5	97.4	97.6	98.1	98.1		98.1	98.1	98.1	98.1	98.1	
± 100	75.9	91.8	93.7	94.6	96.9	97.0	9, 1	99.0	99.0		99.0	99.0			99.0	
≥ 600	75.9	91.A	93.7	94.6	96.9	97.9			99.1	99.3		99.3			99.3	
≥ 500	75.9	91.B	93.7	94.5	96.9	97.9	9 .1	99.1	99.1	99.3	99.5	99.5		99.5	99.5	
≥ 400	73.7	91.A	93.7	94.6	96.9	97.9	91	99.1	99.1		99.5	99.5			99.5	
≥ 300		91.8	93.7	94.5	96.9	97,0	9.1	99.5	99.5	99.7	99.8	99.4			99.8	
≥ 200		\$1.A	93.7	94.6	96.9	97.9	91		99.5		100.0			100.0	100.0	lon • 0
≥ 100		7].4	93.7	94.6	96.9	97.3	0. 1	99.5	99.5		00.0	00.0	100.0	100.0	100.0	00.0
.≥ 0	75.9	71.P	93.7	94.5	96.9	97.9	9 .1	99.5	99.5		100.0	00.0	100.0	100.0	100.00	00.0

TOTAL NUMBER OF OBSERVATIONS

572

USAF ETAC 121 54 0+14+5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATCLOMY BRANCA USAFFTAC AIR MEATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

93744

MARTIN MARTETTA AIRFIELD MD

71-78

APR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEIUNG	VISIBILITY (STATUTE MILES)															
FFET	≥10	≥6	≥5	≥ 4	≥ 3	≥2'7	≥ 2	ל'ו≤	≥11,	≥1	≥ ′4	≥ 'a	≥ /	≥ 5 16	≥ .	≥0
NG CEILING ≥ 20000	52.3 60.0	56.9 05.1	57.8 65.9	57.8 65.9	57.0 65.9	57.9 65.9		58.0 66.2	58.0 66.2	- " "	58.0 66.2	58.0 66.2	58.0 66.2	58.0 66.2	58.0 56.2	58.0
≥ 18000 ≥ 16000	60.0	05.1	65.9 65.9	65.9	65.9 65.9	65.9 65.9	65.2	65.2 66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 14000 ≥ 12000	60.7	67.9	69.4	65.5	69.2	94.5	69.5	65.8 69.5	66.8	56.8 69.5	69.5	66.8 69.5	60.8	66.8	66.8	66.8 69.5
≥ 10000 ≥ 9000	60.6	73.0 73.6	74.9	74.3 74.9	74.9	74.3	74.5 75.2	74.5 75.2	74.5 75.2	74.5	74.5 75.2	74.5 75.2	74.5 75.2	74.5 75.2	74.5	74.5
≥ 8000 ≥ 7000	70.1	79.0	7 <b>6.9</b> 79.6	76.9 79.6	76.9 79.5	76.9 79.5	77.1 75.8	77.1 79.8	77.1 79.8	77.1 79.8	77.1 79.8	77.1 79.9	77.1 79.8	77.1 79.8	77,1	77.1 79.8
≥ 6000 ≥ 5000	75.4	57.5 53.7	81.3	81.3 85.7	81.3 85.7	81.3	δ]• <b>5</b>	d1.5	81.5 85.9	81.5 85.9	\$1.5 85.9	81.5 85.9	81.5 85.9	81.5	81,5	81.5 65.9
≥ 4500 ≥ 4000	77.6	64.6 66.8	86.6 88.0	86.5 88.8	86.6 88.8	88.8		86.8 99.0	89.0		86.8 89.0	86.8 89.0	85.8 89.0	86.8 89.0	86.8 89.0	86 • d
≥ 3500 ≥ 3000	77.3	87.n 37.9	89.0 89.9	90.1	89.ú 90.1	90.1	90.3	89.2 90.3	90.3	89.2 90.3	89.2 90.3		99.2	89.2 90.3		89.2 90.3
≥ 2500 ≥ 2000	78.7 78.9	71.0	93.2	92.1 93.4	92.1	92.3 93.8	94.1	92.5 94.1	92.5 94.1	94.1	92.5 94.1	94.1	92.5	92.5	92,5	92.5 94.1
≥ 1800 ≥ 1500	76.9	92.1	93.2	94.5	93.6	93.R 94.2	95.4	94.1	94.1	95.4	94.1	94.1 95.4	94.1	94.1	94.1	94 • 1 95 • 4
≥ 1200 ≥ 1000	79.1	33.0 33.0	95.2	95.2 95.4	95.0	95.0 96.9	97.1	96.3	96.3	97.4	96.3 97.4	96.3	96.3	96.3	96.3	96.3 97.4
≥ 900 ≥ 806	79.1 79.1	93.0 93.0	95.2 95.2 95.2	95.4 95.4	96.5	96.9 97.1	97.4	97.4	97.6	97.6 97.8	97.6 97.6	97.6	97.6	97.6 97.8	97,6 97.8	97.6 97.8
± '00 ≥ 600	79.1 79.1	93.0	95.2 95.4	95.4	96.5	97.4 97.4	97.6		98.0 96.0	98.2 98.2	98.2 98.2	98.2	98.2 98.2	98.2 98.2	98.2	98 • 2 98 • 2
. 500 . 40λ	79.1	\$4.0 54.0	95.4 95.4	95.6	96.9 96.9	97.8 97.8	90.0	98.9	99.1	99.8	99.3	99.3	99.3	99.8	99.3	99.3 99.8
± 30€ ± 20€	79.1 79.1	93.0	95.4	95.5 95.5	96.4	97.8	9:00	98.9	99.1	99.8	99.8 99.8	99.9 99.8	99.8 99.8			99.8
± 100 ± 0	79.1	93.0		95.6		97.8	9,.0	98.9 98.9	99.1	99.8 99.8	99.6				00.0	

TOTAL NUMBER OF OBSERVATIONS

. . .

USAF ETAC 10004 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARY OBSOLETE

# CEILING VERSUS VISIBILITY

MARTIN MARIETTA AIRFIELD MO 71-7E

APA

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEIUNG							VIS	BILITY (ST	TUTE MILE	E51						
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥2'?	≥ 2	≥1'2	≥114	≥1	≥34	≥,•	≥'↓	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	60.3	54.6	64.6	64.6	54.6		, , - ,		64.6	64.6	64.6	64.6			64.6	64.6
	63.4	08.0	68.0	68.0	68.0	69.0			4 11	69.0	68.0	68.0	68.0		68.0	
≥ 18000 ≥ 16000	63.4	68.7	68.0	68.3	68.0 68.3	68.3	6: • 0 5: • 3	68.0 68.3	68.3	68.3	68.3	68.3	68.3		68.3	68.3
≥ 14000	64.0	68.6	68.0		68.6	68.6				68.6	68.6	68.5	68.6		68.6	
≥ 14000	66.8	71.4	71.7	58.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
> 10000	71.1	74.3	76.6	76.6	76.6	76.6			76.6		76.6	76.5	76.6	76.6	76.6	
≥ 9000	71.4	74.6	76.9	76.9	76.9	76.3	75.9	76.9	76.9	74.9	76.9	76.9			76.9	76.9
≥ 8000	72.3	77.8	78.2	78.2	78.2	78.2	72.2	78.2	78.2	7FI.2	78.2	78.2	78.2		78.2	78.2
≥ 7000	74.8	50.3	80.5	80.6	80.6	80.6	R(6			80.6		80.6	Bush	1 1 7	80.6	80.6
≥ 6000	75.4	81.5	81.8	81.4		51.8	91.8			81.8	81.8	81.P	81.8	81.8	81.8	81.8
≥ 5000	78.2	85.2	85.5	85.5	85.5	85.5		05.5	85.5	85.5	95.5	85.5	85.5	85.5	85.5	
≥ 4500	79.1	86.5	86.6	8.66	86.0	86.8	84.8		86.8	86.8	86.8	86.P	86.8	86.8	86.8	86.8
≥ 4000	80.3	87.7	88.0	88.0	88.0	88.0	90.0			88.0	88.0	88.0	80.0	88.0	88.0	38.0
≥ 3500	80.3	58.0	88.3	88.3	88.3	89.3	36.3	88.3	88.3	88.3	88.3	89.3	88.3	88.3	88.3	88.3
≥ 3000	81.2	80.5	90.5	90.5	90.5	90.5	90,5	2005	90.5	90.5	90.5	90.5	90.5	90.5	90,5	90.5
≥ 2500	83.1	91.7	93.2	93.2	93.2	93.2	95.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2000	83.1	92.6	94.2	94.2	94.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	83.1	92.6	94.2	94.2	94.2			94.2	94.2	1 .	94.2	94.7	94.2		94.2	94.2
≥ 1500	83.1	43.5	95.4	95.4	95.4				95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200	83.1	94.5	95.4				95.7		95.7	95.7	95.7	: -	95.7			95.7
≥ 1000	83.1	93.8	96.0	96.6		97.2	97.2		97.2		97.2	97.2	97.2	<del></del>		
≥ 900	83.1	93.8	96.0	96.6		97.2			97.2							
≥ 800	83.1	94.2	96.6	97.2	97.8	97.8		98.2	98.2		98.2	98.2	+ <del></del>		98.2	
± 700	83.1	94.2	96.6	97.5	98.2	98.2	97.5		98.5							1 1
≥ 600	83.1	94.2	96.6	97.5	98.2	98.2	9,,5		96.5		ز و 98	98.5				98.5
≥ 500	83.1	94.2	96.5	97.5	98.2				94.1		99.1			99.1		
≥ 400	83.1	94.7	76.0	97.5	98.2	98.2	0,.5		99.7			<del></del>	99.7	99.7	99.7	
≥ 300	83.1	94.7	96.6	97.5	98.2											100.0
2 200	83.1	94.2	96.6	97.5	98.2	99.2		<del></del>		<del></del>				<del></del>		100.0
≥ 100	83.1	94.2	96.6	97.5												100.0
<u> ≥ 0</u>	83.1	74.2	96.6	97.5	98.2	98.2	9 .5	99.7	79.7	100.0	100.0	100 • 0	TOO 0	H00.0	100.0	100-0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC ... 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AJRFIELD MO

71-76

APR

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOLPLY OBSERVATIONS)

ALL

CEILING							VIS	BILITY (ST	ATUTE MIL	ES:						
FEET	≥10	≥6	≥5	≥4	≥3	≥2'7	≥ 2	215	≥114	≥1	≥ '4	≥ '₄	≥1,	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	47.8 53.0	57.9	56.7 63.2	57.0	57.2 63.0		57.3 64.0	57.3 64.0	57.3 64.0	57.3 64.0	57.3 64.0	57.3	57.3	57.3	57.3	57.3
≥ 18000 ≥ 16000	53.1 53.1	62.6	53.5 63.7	63.8 64.0	64.3	54.2 54.4	64.4	54.3	64.4	64.5	64.4	64.4	64.5	64.4	64.4	64.4
≥ 14000 ≥ 12000	53.5 54.0	03.1 05.0	64.1 66.2	64.5 66.5	66.9	64.9	67.1	64.9	64.9 67.1	05.0 67.2	65.0	65.0	65.0	65.0	67.2	65.0
≥ 10000 ≥ 9000	56.8 57.1	50.7	69.6 70.1	59.9 70.4	70.3 70.9	70.4 71.0	75 71.1	70.5 71.1	70.5 71.1	70.5 71.1	70.5 71.1	70.5 71.1	70.5	70.5 71.1	70.5 71.1	70.5 71.1
≥ 8000 ≥ 7000	58.3	70.7 72.7	72.0 74.1	72.4	72.9 75.1	73.0 75.2	75.3	73.0 75.3	73.0 75.3	73.1 75.4	73.1 75.4	73.1 75.4	73.1 75.4	73.1 75.4	73.1 75.4	73·1 75·4
≥ 6000 ≥ 5000	60.4	74.7	75.7 79.3	76.2 79.9	76.8 80.5	76.9 80.6	77.1 88	77.1 60.8	77.1 80.8	77.1 80.9	77.1 80.9	77.1 80.9	77.1 80.9	77.1 80.9	77.1	77.1
≥ 4500 ≥ 4000	64.1 66.8	79.4 83.1	31.0 84.7	81.5	82•∠ 86•∪	82.3 06.1	82.5 80.3	62.5 64.3	82.5	82.6 86.3	82.6 86.3	82.6 86.3	82.6 86.3	82.6 86.3	82,6	82.6 86.3
≥ 3500 ≥ 3000	67.4 66.4	34.1 d4.7	87.6	86.4	87.1	87.2	97.4 83.7	67.4 89.7	87.4 89.7	87.5	87.5 89.8	87.5 89.8	87.5	87.5	87.5 89.8	87.5 89.8
≥ 2500 ≥ 2000	69.4 69.5	87.7	89.2	90.0 90.7	91.1	91.3 92.0	91.5	91.5 92.4	91.5	91.6 92.4	91.6	91.6	92.4	91.6	91.6	91.6
≥ 1800 ≥ 1500	69.7	84.8 68.8	90.1	91.0	92.1	92.3 93.6	93.9	92.6	92.6	92.7	92.7	92.7 94.0	92.7	92.7 94.0	92.7 94.0	92.7
≥ 1000 ≥ 1000	69.9	89.A	91.8	92.8 93.3	95.4	94.7	95.0	95.1	95.1	95.1	95.1 96.5	95.1 96.5	95.1	95.1 95.5	95.1 96.5	95 • 1 96 • 5
≥ 900 ≥ 800	69.9	89.6 89.7	92.5	93.5	95.6	96.3	95.7	96.6	96.6	96.7	96.7 97.0	96.7	97.0	96.7 97.0	96.7	96.7
± 700 ≥ 600	69.9	69.8 89.8	92.6	93.7	95.9 96.0	96.6 97.0	97.6	97.4 57.9	98.1	97.6 98.3	97.7	97.7 98.4	97.7	97.7 98.4	97.7 98.4	97.7 98.4
≥ 500 ≥ 400	69.9	59.8 89.8	92.7	93.8 93.8 93.8	96.2 96.2	97.2 97.3 97.4	9.0	98.5 98.8 99.0	98.7 95.9 99.2	99.0 99.3	99.4	99.4	99.4	99.1	99.1	99.4
≥ 300 ≥ 200	69.9	09.8 09.8	92.7	93.8 93.8	96.2	97.4	92	99.0	99.2	99.6 79.6		99.7 99.8	99.8	99.8	99.8	
≥ 100 ≥ 0	69.9	39.9	92.7	93.4		97.4	9 .2		49.2	1		99.2	99.9	99.9	99.9	

TOTAL NUMBER OF OBSERVATIONS

293

USAF ETAC 104 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

93744 MARTIN MARTETTA AIRFIELD MD 71-76

MAY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-0<del>600-080</del>0

CEILING		·					VIS	IBILITY (ST.	ATUTE MIL	ES,						
FEET	≥10	≥6	≥ 5	≥4	<b>≥</b> 3	≥2'7	≥ 2	≥112	سا1≤	≥1	≧ ′a	≥`•	≥1,	≥5 16	≥ 4	≥0
NO CEILING ≥ 20000	21.3	36.5 42.0	41.0	42.8 49.0	44 • 7 50 • 8	44.7 50.8	45.5 5).6	45.9 52.3	45.9	45.9 52.3	45.9 52.3	45.9	45.9	45.9	45.9	45.9 55.2
≥ 18000 ≥ 16000	23.6	42.2 42.2	47.3 47.3	49.4	51.2 51.2	51.2 51.2	52.0 52.0	52.7 52.7	52.7 52.7	52.7	52.7 52.7	52.7 52.7	52.7 52.7	52.7	52.7 52.7	52.7
≥ 14000 ≥ 12000	23.8	42.2	49.0	49.4 51.0	51 · 2 52 · 9	51.2 52.9	52.0 51.7	52.7	52.7	52.7	52.7 54.2	52.7	52.7	52.7	52,7	52.7
≥ 10000 ≥ 9000	25.6 26.2	47.3	52.9 53.7	55.5 56.4	57.6 58.6	57.6 58.6	54.4	59.4	59.4 60.5	59.4 60.5	59.4	59.4 60.5	59.4	59.4	59.4	59•4
≥ 8000 ≥ 7000	26.2	50.0 52.0	55.9 58.0	58,5	61.3 63.3	61.5 93.5	64.3	63.3 65.8	63.3 65.8	65.8	63.3 65.6	63.3	63.3	63.3	63.3	63.3
≥ 6000 ≥ 5000	27.3	54.2	58.6	61.3	63.9	64 • 1 65 • 8	65.2	68.2	66 • 6 68 • 2	66.6 68.2	66.6	66.6	66.6	66.6	66.6	68.2
≥ 4500 ≥ 4000	28.9	54.8	61.7	64.5 66.7	67.2	67.4	61.4	69.9 71.3	71.3	69.9 71.3	69.9 71.3	69.9	69.9	69.9 71.3	69.9	69.9
≥ 3500 ≥ 3000	30.3	58.0	64.1	69.1	70.5	71 • 1 73 • 0	72.1 74.0	73.6	73.6	75.4	75.4	73.6	73.6	75.4	73,6 75.4	73.6
≥ 2500 ≥ 2000	30.7 30.9	59.4	66.0 56.2	70.1 70.3	73.2 73.6	74.2 75.0	7: ·2 7: 0	76.6 77.5	76.6 77.5	76.6 77.7	76.6 77.7	76.6 77.7	70.6	76.6 77.7	76.6 77.7	76 • 5 77 • 7
≥ 1800 ≥ 1500	30.9	59.8 00.2	57.2	71.3	74.6	75.0 77.3	77.0 70.3	78.5 79.7	78.5 79.7	78.7	78.7 79.9	78.7 79.9	73.7	78.7	78,7 79.9	78.7 79.9
≥ 1000	31.4	5.) . 5 57 . 9	67.0 68.4	72.3	76.4	78.5	77.5 82.4	80.9	80.9	81 •1 84 •0	81.1 84.0	81.1	81.1	81.1	81.1 84.0	81 • 1 84 • 0
≥ 900 ≥ 800	31.4 31.4	61.3	69.9	74.0	78.5	84.2	03.2 P3.3	64.6 68.1	88.1	89.3	84.8	84.8 88.3	88.3	84.8	88.3	84.8
∠ 600	31.6	61.5 62.1	70 • 1 70 • 7 71 • 3	76.6 77.9 78.7	84.0	85.5 87.7	90.0	92.4	90.0	90.2	90.2	90.2	90.2	30.5	90.2	90.2
≥ 500 ≥ 400 ≥ 300	31.6	62.3	71.3	78.7 78.7	85.0 85.2 85.4	89.3 89.5 89.5	91.6 93.2 95.4	94.9 96.9 97.1	94.9 96.9 97.1	95.3	95.5 98.0	95.5 98.0	95.5 98.0	98.0	95,5 98,0	95.5 98.0
± 200 ≥ 100	31.6 31.6	62.3	71.3	78.7 78.7	85.2 85.2	89.5	93.4	97.1	97.1 97.1	98.0 98.0 98.0	99.0	99.0	99.4	99.4	99,6 99,6	99.8
2 0	31.6	52.3	71.3	78.7	85.2	69.5	9.4	57.1	97.1	98.0	99.0	99.0	99.4	99.4	99.6	99•5) 100•0

TOTAL NUMBER OF OBSER. ATIONS

488

USAF ETAC 64 0+14-5 (OL A) MERVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# **CEILING VERSUS VISIBILITY**

" 93744 MARTIN MARIETTANAMERIELD MD

YEAR

-MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							VIS	BILITY (ST	ATUTE MILI	ES)						
FEET	≥10	≥6	≥5	≥ 4	≥ 3	≥21%	≥ 2	≥1%	≥114	≥1	≥ 14	≥ 1/8	≥ 15	≥5 16	≥ ¼	≥0
NO CEILING ≥ 20000	26.6 29.0	40.2	43.1	45.0 49.8	45.0 50.6	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46,6	46.6
≥ 18000 ≥ 16000	29.0	44.4	47.7	49 . 8 49 . 8	50.6	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51,3	51.3
≥ 14000 ≥ 12000	29.0	44.6	47.9 50.6	49.9 52.6	50.7	51.3	51.3 54.2	51.5 54.3	51.5	51.5	1.5	51.5	51.5	51.5	51,5	51.5
≥ 10000 ≥ 9000	31.5	50.6 51.2	54.2 54.8	56.2 56.9	57.2 57.6	58.1 58.9	5. 1	58.3 59.1	58.3 59.1	58.3 59.1	58.3	58.3	58.3	58.3	58.3	58.3 59.1
≥ 8000 ≥ 7000	32.5	53.5 55.6	57.2 59.2	59.7 61.7	60.8 62.8	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 6000 ≥ 5000	34.2	54.7 55.3	60.3	62.8	63.9	67.6	45.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 4500 ≥ 4000	35.9 38.1	62.7	67.4	66.9	71.5	72.9	7.9	69.6 73.1	69.6	69.6 73.1	69.6	69.6	69.6	69.6	69,6	69.6
≥ 3500 ≥ 3000	38.1	62.8 64.1	67.6	70.2	71.8	73.4	75.4 76.1	73.5 76.2	73.5	73.5	73.5	73.5	73.5	73.5	73,5	73.5
≥ 2500 ≥ 2000	39.2	65.0 65.8	69.9 71.0	72.9	75.1	76.9 78.1	77.0	77.2 78.4	77.2	77.2 78.4	77.2 78.4	77.2	77.2	77.2	77.2	77.2
≥ 1800 ≥ 1500	39.8	67.5	71.7 73.1	74.8	77.5	79.2 81.7	75.5	79.7	79.7	79.7	79.7 82.8	79.7	79.7	79.7	79,7	79.7
≥ 1200 ≥ 1000	39,8 40.0	67.9 68.8	74.5 75.4	78.6 79.8	81.9	84.1	84.9 84.8	85.2	85.2	85.5	85.5 87.6	85.5 87.6	85.5 87.6	85.5	85,5	85.5
≥ 900 ≥ 800	40.0	70.1	77.0	81.7	85.5	87.7 89.9	91.2	91.7	91.8	92.3	89.8	89.8 92.3	99.8	89.8 92.3	89.8 92.3	89.E
≥ 700 ≥ 600	40.0	70.1	78.3 78.7	83.5	87.6	90.2	91.5	94.0	92.1	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 500 ≥ 400	40.0	70.7	79.1	85.0	89.4	93.4	95.3	96.2	96.4	97.2	97.2	97.2	97.2	97.2 98.6	97,2 98.6	97.2
≥ 300 ≥ 200	40.0	70.7 70.7	79.1	85.0	89.8	94.2	9,.4	97.6 97.6	97.8	99.2	99.5	99.5	99.7	100.0	00,0	
≥ 100 ≥ 0	40.0	70.7	79.1 79.1	85.0	89.6	94.2	96.4	97.6 97.6	97.8 97.8	99.2	99.5	99.5	99.7	L00.01		100.0

TOTAL NUMBER OF OBSERVATIONS ...

635

USAF ETAC UL 64 0-14-5 (OL A) MEYIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

93746 MARTIN MARIETTA AIRFIELD MD 71-73

MENTHY.

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VISI	BILITY (STA	TUTE MILE	S)						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥21/2	≥ 2	≥11/2	≥114	21	≥ 34	≥ ⅓	≥%	≥ 5′16	≥'₄	≥0
NO CEILING ≥ 20000	29.9	42.7	45.0	46.0	46.5	46.5 50.5	46.5	46.5	46.5	46.5 50.5	46.5 50.5	46.5	46.5 50.5	46.5 50.5	46.5	46.5 50.5
≥ 18000 ≥ 16000	31.8	45.6	49.0	50.2 50.2	50.6	50.6 50.6	50.6 50.6	50.6 50.6	50.6	50.6	50.6 50.6	50.6 50.6	50.6 50.6	50.6	50,6 50,6	50.0
≥ 14000 ≥ 12000	31.8	47.3	49.7 51.0	50.8 52.1	51.3 52.6	51.3 52.6	51.3 51.6	51.3	51.3 52.6	51.3 52.6	51.3 52.6	51.3 52.6	51.3 52.6	51.3 52.6 57.2	51,3 52.6 57.2	51.3 52.6 57.2
≥ 10000	34.7 35.1	52.2 53.0	54.8	56.2 57.3	57.2 58.0	57.2 58.0	57.2 50.0	57.2 58.0	57.2 58.0	57.2 58.0 61.7	57.2 58.0	57.2 58.0 61.7	57.2 58.0 61.7	57.2 58.0 61.7	58.0 61.7	58.0
≥ 8000 ≥ 7000 ≥ 6000	36.7	55.9 57.7 58.3	59.1 60.9	60.7 62.5 63.6	61.7 63.4 64.5	61.7 63.4	64.5	61.7 63.4 64.5	63.4	63.4	63.4	63.4	63.4	64.5	63.4	64.5
≥ 5000 ≥ 4500	37.7 39.3 40.9	61.3	61.7 65.0	66.9	67.9	67.9 70.4	57.9	70.4	67.9 70.4	67.9 70.4	67.9 70.4	67.3	67.9 70.4		67.9 70,4	67.9 70.4
≥ 4000 ≥ 3500	43.8 44.2	68.5 69.8	72.5	76.0	75.6	75.6	75.6 77.2	75.6	75.6	75.6	75.6 77.2	75.6	75.6	75.6	75.6	
≥ 3000 ≥ 2500	45.5	72.8 73.2	77.6	80.4	82.4 83.2	82.4 83.4	82.4 83.4	82.4 33.4	83.4	83.4	83.4	83.4	82.4	83.4	82,4	82.4
≥ 2000 ≥ 1800 ≥ 1500	45.d	74.5	81.0	83.7	85.5	86.3	85.6	85.8	85.8	85.8	85.8 86.4	85.9 86.4	- Was	85.8 86.4	85,8 86,4	85.8 86.4 87.7
≥ 1200 ≥ 1000	46.3	75.7	83.7 85.0	86.6 86.6	87.4 89.3	87.5 89.6	87.7 85.9	0.0	89.9	87.7 89.9	87.7	89.9	89.9			
≥ 900 ≥ 800	46.6			88.5		92.0	92.3	92.5	92.5	92.5	92.5	92.5		93.9	92.5	92.5
≥ 700 ≥ 600	46.6		85 .5 85 .6	89.0	93.3	94.1	94.9	95.0 95.8	95.0 95.8	95.0	96.2	95.0 96.2	95.( 96.2	95.0	96.2	96.2
≥ 500 ≥ 400	46.6	79.6	86.1 86.1	90.3	94.9		97.6	98.9	97.9 98.9	98.4	98.6	98.6	98.6	99.7	99.7	99.7
≥ 300 ≥ 200	46.6	79.6	36.1 36.1	90.3	94.9		97.4	98.9	90.9	99.4	99.7	99.8	99.	99.8	99.8	99.5
≥ 100 ≥ 0	46.6	79.6	80.1	90.3	94.9	96.0	97.4	98.9			99.5	• • • :	1100	100.0	1	100

TOTAL NUMBER OF OBSERVATIONS

626

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

93746 MARTIN MARIETTA AIRFIELD MD 71-78

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MILI	ES)						
FEET	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥ 2	≥1%	≥1'4	≥١	≥ 3,4	≥ %	≥ ⅓	≥ 5,16	≥'4	≥0
NO CEILING ≥ 20000	32.5 35.6	42.3 47.9	44.J	45.8 51.6	46.2 52.3	46.2 52.3	46.2 52.3	46.2 52.3	46.2	46.2	46.2 52.3	46.2 52.3		46.2 52.3	46.2 52.3	46.2
≥ 18000 ≥ 16000	35.6 35.6	48.1 48.1	49.9		52.5 52.5	52.5 52.5	52.5 52.5	52.5 52.5	52.5	52.5 52.5	52.5 52.5	52.5 52.5	52.5 52.5	52.5 52.5	52,5 52.5	52.5 52.5
≥ 14000 ≥ 12000	36.2 37.7	40.0 50.6	51.2	53.2	54.0 55.7	54.0 55.7	54.0 55.7	54.0 55.7	54.0 55.7	54.0 55.7	54.0 55.7	54.0	54.0 55.7	54.0	54,0 55,7	54.0 55.7
≥ 10000 ≥ 9000	38.8	57.3	54.5 55.5	56.6 57.5	57.7 58.5	57.7 58.6	97.7	57.7 58.6	57.7 58.6	57.7 58.6	57.7 58.6	57.7	57.7 58.6	57.7 58.6	57.7 58.6	57.7 58.6
≥ 8000 ≥ 7000	41.4	56.4 59.0	59.0 62.0	61.0	62.2	62.2 65.3	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2 65.3	62.2
≥ 6000 ≥ 5000	43.4	60.9	64.2 68.1	66.2 70.1	67.5 71.4	67.5	67.5	67.5	67.5	67.5	67.5 71.4	67.5	67.5	67.5	67.5	67.5
≥ 4500 ≥ 4000	46.0	66.2 71.1	74.0	71.8	73.1	73.1	7,.1	73.1	73.1	73.1	73.1 77.9	73.1	73.1	73.1	73.1 77.9	73.1 77.9
≥ 3500 ≥ 3000	49.4	72.2	76.9		79.6 82.9	79.6	79.6 83.1	79.6 83.1	79.6	79.6 83.1	79.6 83.1	79.6 83.1	79.6 83.1	79.6 83.1	79,6 83,1	79.6 83.1
≥ 2500 ≥ 2000	50.6	75.9 74.8	80.9	83.5 85.5	85.0 87.0	85.0 87.0	85.3	87.4	95.3 87.4	85.3	85.3	85.3 87.4	85.3 87.4	85.3	85,3 87,4	85.3
≥ 1800 ≥ 1500	51.2 51.6	77.2	82.9	87.8	86.1 89.6	88.1 89.6	92	88.5 90.2	88.5	88.5 90.2	90.2	68.5 90.2	88.5	90.2	88.5 90.2	88.5 90.2
≥ 1200 ≥ 1000	51.9 52.1	79.4	35.9 36.3	90.0	92.5	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92,0	92.0
≥ 900 ≥ 800	52.1 52.1	79.4	96.3 86.5	90.4	92.d 93.3	92.8	94.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93,7 94,6	93.7
≥ 700 ≥ 600	52.1 52.1	79.6 79.8	86.8	90.7	94.4 94.6	94.6 <u>95.0</u>	95.7 90.1	95.9	95.9	96.1 96.5	96.3 96.8	96.3	96.3	96.3	96.3 96.8	96.3
≥ 500 ≥ 400	52.1 52.1	60.1 60.3	87.2	21.7	95.5 95.7	95.9 95.3	97.2 90	98.5	98.0 98.7	98.3	98.7 99.6	98.7	98.7	99.7 99.8	98,7 99,8	98•7 99•8
≥ 300 ≥ 200	52.1 52.1	0 3 6 0	87.4	91.7	95.7 95.7	95.3 96.3	9,.0 9.0	98.5	98.7 98.7	99.4	100.0 100.0	100.0 100.0	100.0		100.0	100.4
≥ 100 ≥ 0	52.1 52.1	67.3 20.3	87.4 67.4	91.7 91.7	95,7 95.7	96.3 96.3	90.0 90.0	98.5 93.5	98.7	99.4	100.0	100.0 100.0			100,0 100.0	

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

93746 MARTIN MALIETTA AIRFIELD KD 71-70

YAM.

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	BILITY (ST.	ATUTE MIL	ES:						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2',	≥ 2	≥1″2	≥114	≥1	≥ 24	≶,•	≥ %	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	40.5	45.6	48.0	49 . R	50.2	50.2 56.4	5: .2	50.2	50.2	50.2	50.2 56.4	50.2	50.2 56.4	50.2	50,2	50.2 56.4
≥ 18000 ≥ 16000	45.1 45.1	52.0	54.0	56.9 56.9	57.3	57.3 57.3	57.3 57.3	57.3 57.3	57.3	57.3 57.3	57.3	57.3 57.3	57.3 57.3	57.3 57.3	57.3 57.3	57.3
≥ 14000 ≥ 12000	45.1 47.1	52.2	54.7	57.3 60.0	57.7	57.7 60.4	37.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57,7 60.4	57.7
≥ 10000 ≥ 9000	47.8	57.1 57.7	50.4	63.9	63.5	63.5	50.5	U3.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 8000 ≥ 7000	49.1 50.0	50.5	63.3	69.2	66.4 70.1	66.4 70.1	40.4 71	66.4	66.4 70.1	66.4 70.1	66.4	65.4	66.4 70.1	66.4 70.1	66.4 70.1	70.1
≥ 6000 ≥ 5000	51.3	09.0	69.U	71.5	72.3	72.3	72.3	72.3	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500 ≥ 4000	53.8	60.9 72.3	74.1	76.5	77.4	77.4	77.4	77.4	77.4	77.4	77.4 81.0	77.4	77.4 81.0	77.4	77.4 81.0	77.4
≥ 3500 ≥ 3000	54.6	77.8 73.2	77.9	5.00 5.58	81.2	81.6	81.6 85.4	85.4	81.6	81.6	81.6	81.4	81.6 85.4	81.6	81,6	81.6
≥ 2500 ≥ 2000	55.1 55.8	72.7	90.3 81.9	83.8 6.56	85.0 87.0	88.7	85.5	86.5	86.5	86.5	86.5	86.5	96.5 88.7	86.5	96.5	56.5 88.7
≥ 1800 ≥ 1500	56.6 56.9	74.1	82.7 84.3	7.6.7 38.7	88.9	99.8	3 - • d 9 - • 0	92.0	89.8	89.8 92.0	99.8	62.0	92.0	92.0	92.0	89.8 - 42.0
≥ 1200 ≥ 1000	57.5	77.4	04.7 35.4	99.2	91.5 92.7	94.0	94.5	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 900 ≥ 800	57.5 57.5	72.3	56.3	90.7	94.	94.7	9:01	95.1 95.8	95.1 95.8	95.1 95.8	95.H	95.8	95.1	95.1 95.8	95,1 95,8	95.8
≥ 700 ≥ 600	57.5 57.5	79.4	10.3	91.2	94.5	95.8 96.5	2 ، ، ه <del>د د د د</del>	95.2	96.2	96.2	96.4	96.2	96.2	95.2	96.2	96.2
≥ 500 ≥ 400	57.5	70 A	86.7	91.6	95.4	94.7 97.8	90	98.2	98.2	98.2	98.2	98.2	98.2 100.4		28,2 100,0	2002 04001
≥ 300 ≥ 200	57.5 57.5	72.5	46.94	92.1	90.	97.8	99.1	99.3	99.3	100.q	100 • 0	100-7	100.0	100 d	100,0 100,0	100 • 0
≥ 100 ≥ 0	57.5 57.5	70.9 75.8	86.9	92.	96.	97.8	96.1	99.3	99.3	100.0 100.0		100.1	100.d 100.d		100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

452

USAF ETAC 10104 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

93744 MARTIN MARIETTA ALREIELD MO

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							VIS	BILITY (ST	ATUTE MILI	ES)						
FEET	≥10	≥6	≥5	≥4	≥3	≥21-2	≥ 2	≥1%	≥1'₁	≥1	≥ ⅓4	>,•	≥ 1/2	≥ 5 16	≥ '4	≥0
NO CEILING > 20000	47.2 48.1	50.5	52.8 55.1	52.8 55.1	53.2	53.2 55.6	53.2 55.6	53.2	53.2	53.2 55.6	53.2	53.2	53.2	53.2	53,2 55,6	53.7
≥ 18000 ≥ 16000	48.1	53.7	56.J	56.5 56.5	56.9	56.9 56.9	56.9 56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.4
≥ 14000 ≥ 12000	48.5 5ú.5	54.2 55.5	56.5	36.9 59.3		57.4 59.7	57.4 55.7	57.4	57.4	57.4 59.7	57.4	57.4	57.4	57.4	57.4	57.9
≥ 10000 ≥ 9000	52.3 53.2	57.7	62.5	63.0	63.4	63.4	55.4 55.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63,4	63.9
≥ 8000 ≥ 7000	55.1 56.0	07.9	66.7	67.1 68.1	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67,6	68 - 1
≥ 6000 ≥ 5000	56.0 58.7	04 . P	67.6	68.1	68.5	69.5 73.1	60.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	69.0
≥ 4500 ≥ 4000	58.3 59.7	69.9 73.1	73.1	73.6	74.1	74.1	74.1	74.1	74.1	74.1	74.1 77.8	74.1 77.8	74.1	74.1 77.8	74.1 77.8	74.
≥ 3500 ≥ 3000	62.0	75.5 77.3	78.7	79.2 53.4	79.0	79.6	8 .1	60.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	#0 • 6 86 • 1
≥ 2500 ≥ 2000	63.9	78.7 78.7	31.9 82.9	85.6 86.6	87.0	67.0	97.5	87.5	87.5 88.6	87.5 88.4	97.5 88.4	87.5	87.5 88.4	87.5	87.5	88.9
≥ 1800 ≥ 1500	64.4	79.7	82.9	86.4 86.4	89.6	89.0 89.8	56.4	88.4	88.4	88.4	98.4 90.7	86.4 90.7	88.4 90.7	88.4	88,4	88.9
≥ 1200 ≥ 1000	65.7 65.7	81.5 81.5	37.5 88.0	91.7 92.1	93.1	93.1	94.0	94.0	94.0	94.0	95.4	94.0	94.0	94.0	94,0	94.4
≥ 900 ≥ 800	65.7 65.7	51.9 31.9	88.9 89.4	93.1 93.5	95.4	95.4	9: 3	96.3	96.3	96.3	96.3 96.8	96.3 96.8	96.3 96.8	96.3 96.8	96,3 96.8	96.8
≥ 700 ≥ <b>60</b> 0	65.7 65.7	d2.4	49.8	94.0	96.3	96.3 96.3	97.2	97.2 97.2	97.2 97.2	97.2	97.2 97.2	97.2	97.2	97.2	97.2	97.
≥ 500 ≥ 400	65.7 65.7	52.4		94.1	96.3	96.3 96.8	93.7	97.7	97.7	97.7	97.7 98.6	97.7	97.7 98.6	97.7 98.6	97,7	98.
≥ 300 ≥ 200	65.7 65.7	52.9	90.3	94.4	96.0	96.8 96.8	9:01	58.6 98.6	98.6 98.6	99.5	99.5	99.5	99.5 99.5	99.5	99,5	100.0
≥ 100 ≥ 0	65.7 65.7	82.9	90.3 90.3	94.4	96.0 25.1	96.8 96.8	9.1	98.6 98.6	98.6 98.6	90.5	99.5	99.5	99.5	99.5	99.5	100 • 0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC OL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE

HOUSTE

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥ 5	≥4	≥3	≥21⁄2	≥2	≥1%	≥114	≥,	≥ 1,4	≥ >⁄1	ڏ, ≷	≥ 5 16	≥ '4	≥0
NO CEILING ≥ 20000	31.1	42 • 1 46 • 8	44.5	46.3	47.1	47.2	47.3	41.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.5
≥ 18000 ≥ 16000	33.8	47.0	50.0	51.7	52.5		52.8	52.9	52.9		52.9	52.9	52.9	52.9	52,9	53.0
≥ 14000 ≥ 12000	33.9	47.4	50.5	52.3	53.1	53.2	55.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5 53.5
≥ 10000 ≥ 9000	36.5 37.0	52.4 53.2	55.7 56.6	57.7 58.4	58.8	59.0 59.9	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59,3 60.3	59.3
≥ 8000 ≥ 7000	38.2	55.6	59.3	61.4	62.7	62.9	۸.1 6.5	53.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 6000 ≥ 5000	39.7	50.0	62.9	65.1	66.3	66.7	66.8	67.1	57.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2
≥ 4500 ≥ 4000	42.0 43.9	63.5	67.7	69.9	71.2	71.5	71.7	72.0	72.0	72.0	72.0	72.7	72.0	72.0	72,0	72.0
≥ 3500 ≥ 3000	44.5	67.4	72.4	74.7	76.2	76.7	7 & 9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2
≥ 2500 ≥ 2000	45.5	7^.1 71.0	75.5 76.0	78.7	80.8	81.5 83.2	81.8	02.1	82.1	82.1	82.1	82.1	82.1	82.1	82,1 83.8	82.1 83.8
≥ 1800 ≥ 1500	46.1	71.5	77.4 78.6	80.9	83.3	84.1 85.8	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84,7	84.8
≥ 1200 ≥ 1000	46.6	72.7	79.9	83.H	86.6	87.7 89.3	86.3 92	88.6	88.6	811.7	88.7	88.7	88.7	88.7	88,7	88.6
≥ 900 ≥ 800	46.3 46.8	73.9	81.5 81.8	85.6	90.1	90.1	91.0	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91,5	91.6
≥ 700 ≥ 600	46.5	74.2	82.0	86.7	90.0	92.4	94.5	94.0	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3
≥ 500 ≥ 400	46.8	74.9	62.7 82.6	68.1	92.4	94.4	99	97.1 98.2	97.1	97.5	97.7	97.7	97.7	97.7	97,7	97.7
≥ 300 ≥ 200	46.8	74.9 74.9	82.8 82.8	88.1 88.1	92.7	94.9	97.0	98.3	98.4 98.4	99.2	99.6	99.7	99.8	99.8	99,9	99.9
≥ 100 ≥ 0	46.8	74.9 74.9	82.0	88.1 88.1	92.7	94.9	97.0	98.3 48.3	98.4	99.2	99.5	99.7	99.6	99.8	99.9	99.9

(FROM HOURLY OBSERVATIONS)

TOTAL NUMBER OF OBSERVATIONS

2956

USAF ETAC JUL 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

93746 MARTIN KARIETTA AIRFIELD MD 71-70

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u> 0600-0800</u>

					<del></del>		VIS	IBILITY (STA	TUTE MIL	ES)						
CEILING FEET	≥10	≥6	≥ 5	≥4	≥3	≥2 ′2	≥ 2	≥1%	≥114	≥1	≥ 14	5,1	≥ 1/4	≥5 16	≥ 14	≥0
NO CEILING ≥ 20000	21.8	36.2 38.3	41.8	45.4 48.7	47.9 51.7	49.6 53.6	5 .6 54.6	50.6 54.6	50.6 54.6	50.8 54.8	50.6 54.8	50.8 54.8	50.8 54.8	50.8 54.8	50.8 56.8	50 • 8 54 • 8
≥ 18000 ≥ 16000	22.2	38.3	44.1	48.7 48.7	51.7	53.6 53.6	54.6 54.6	54.6 54.6	54.6 54.6	54.8 54.8	54.8 54.8	54.8	54.8 54.8	54.8 54.8	54.8 54.8	54.8 54.8
≥ 14000 ≥ 12000	22.4 22.8	37.7 40.2	44.6	49.2 50.5	52.1 53.6	54.0 55.4	55.0 5.5	55.0 56.5	55.0 56.5	55.2 56.7	55.2 56.7	55 · 2 56 · 7	55.2	55 • 2 56 • 7	55,2 56,7	55 • 2 56 • 7
≥ 10000 ≥ 9000	24.3	41.8	49.2	54.4 55.2	57.5 58.6	50.4 60.5	67	60.7 61.7	60.7	60.9	61.3	61.3	61.3	61.3	61,3	61.3
≥ 8000 ≥ 7000	25.3	44.1 44.6	51.9 52.3	57.9 58.6	61.5 62.3	63.6 64.4	62.9	04.9 65.7	64.9	65.1 66.1	65.5 56.5	65.5 66.5	65.5 66.5	65.5	65.5	65.5 66.5
≥ 6000 ≥ 5000	25.7 20.0	45.2 47.9	54.0	50.3 62.6	64.2	65.3 69.2	57.6 75	70.5	70.5	71.1	68.4	68.4 71.5	68.4 71.5	68.4	68,4 71,5	68.4 71.5
≥ 4500 ≥ 4000	26.6	47.9	55.4 57.1	02.6 63.8	67.2	69.2 70.7	74.2	70.5	70.5	71.1 73.0	71.5	71.5	71.5	71.5	71.5	71.5
≥ 3500 ≥ 3000	27.2 27.8	49.8 50.4	57.7 58.4	64.9	69,9	72.2 <u>74.3</u>	75.9	74.1 76.2	74 • 1 76 • 2	74.7 76.8	75.1 77.2	75.1 77.2	75.1 77.2	75.1 77.2	75.1 77.2	75•1 77•2
≥ 2500 ≥ 2000	28.5 29.3	31.0 51.9	59.0	67.2 68.5	72.6 74.3	75.5 77.2	77.2	77.4	77.4	78.0	78.5 80.1	78.5 80.1	78.5	79.5 80.1	78,5 80,1	78•5 -80•1
≥ 1800 ≥ 1500	29.3	51.9 52.7	60.9 61.7	68.9 09.9	74.3	77.2 78.9	81.2	79.1 81.4	79.1 81.4	79.7 82.0	80.1 82.4	80 • 1 82 • 4	80.1 82.4	80.1	80.1 82.4	80.1
≥ 1200 ≥ 1000 ≥ 900	29.5 29.7	57.8 54.8	53.2	73.4	77.6 80.5	81.0 84.3	яз. <b>3</b> 88	57.9	83.9 87.9		85.1 89.1	85.1 89.1	85.1 89.1	85.1 89.1 90.0	85,1 89,1	85 • 1 89 • 1 90 • 0
≥ 900 ≥ 800 ≥ 700	29.7 29.7	55.0 56.1	64.4	75.1	81.2 83.3	84.9 87.9	9.4	91.6	98.5 91.4	89.1 92.1 93.5	90.0	90.0 92.9 94.6	90.0	92.9	90,0 92.9 94.6	92.9
≥ 600	29.7 29.7	56.3 55.7	65.7 56.3	76.4	83.7	89.7 90.4 90.8	97.7	92.9 95.2 95.8	95.2	95.8	96.9	94.0 96.9 98.3	97.1	97.1 93.5	97.1 98.5	97.1 98.5
≥ 400 ≥ 300	29.9 29.9	56.9 54.9	66.5	70.6 70.5 76.6	85.4 85.0 85.6	مملق	94.4	95.0 96.0	96•0 96•0	97.5 97.5	98.7	98.7 99.2	99.0 99.4	99.0	99.0	99.0
≥ 200	29.9 29.9	54.9 54.0	66.5 66.5	76.5 76.5	85.0 85.0	91.0	54.4	96.0	96.0 96.0	97.5	99.2	99.2	99.4	99.4		100.0
≥ 0	29.9	56.9	00.2	76.5	85.6	71.0		76.0	96.0		99.2	99.2	99.4	99.4	99.4	100-0

TOTAL NUMBER OF OBSERVATIONS

473

USAF ETAC 10,64 0-14-5 (OL A) MONTHURS EDITIONS OF THIS FORM ARE OBSOLETE

C

# **CEILING VERSUS VISIBILITY**

937466 MARTIC MARIETTA ALBEIELD MD 71-70

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							VIS	BILITY (ST	ATUTE MILE	ES;						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥27	≥ 2	≥1 1/2	≥1'4	ا≤	≥ 34	≥ ⅓	≥ ⅓	≥ 5 16	≥ 14	≥0
NO CEILING ≥ 20000	24.5	41.0	46.5	50.0 54.5	52.2	52.9	55.4 56.5	53.5 58.7	53.5	53.5 58.7	53.5 58.7	53.5	53.5	53.5	53,5	53.5
≥ 18000 ≥ 16000	26.1	44.7	50.3	54.6	57.5	58.2 58.2	5,,.7	58.8	58.8	58.8 58.8		58.8	58.6	58.8	58,8	58.6
≥ 14000 ≥ 12000	26.3	44.9	50.5	54.8 56.4	57.7	59.9	5 a . 8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 10000 ≥ 9000	26.6	49.4	54.3	59.0	62.2	63.1	63.6	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 8000 ≥ 7000	27.7	52.2	59.0	63.6	67.1	68.3	60.8	58.9	68.9	69.2	69.2	69.2	69.2	69.2	69,2	69.2
≥ 6000 ≥ 5000	27.9	53.0 54.5	59.9	64.7	68.3	09.4	6y.9	70.0	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 4500 ≥ 4000	29.8	54.3	62.3	67.5	71.3	72.8	75.2	73.4	73.7	74.0	74.2	74.2	74.2	74.2	74,2	74.2
≥ 3500 ≥ 3000	30.1	56.7	63.8	69.1	73.1	74.7	75.5	75.8	76.1	76.4	76.6	76.6	76.6	76.6	76.6	76.6
≥ 2500 ≥ 2000	31.1	59.0	66.3	71.6	76.7	77.6	73.4	78.8	79.2	79.5	79.8	79.8	79.8	79.8	79.8	79.8
≥ 1800 ≥ 1500	31.4	o^.9	69.9	74.2	78.5	80.3	91.1 85.7	81.6	51.9 84.5	82.2	82.5	82.5	82.5 85.1	82.5 85.1	82.5	82.5
≥ 1200 ≥ 1000	31.7	64.6	72.4	79.3	85.1	87.0	87.8	98.5	88.8	89.3	89.6	89.6	89.6	89.6	39.6	89.6
≥ 900 ≥ 800	31.7	64.6	74.0	81.5	88.3	90.5	91.5	92.3	92.6	93.1	93.4	93.4	93.4	93.4	93.4	93.4
≥ 700 ≥ 600	32.1	65.7	75.2	83.2	90.9	94.1	95.4	96.2	96.5	97.0	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500 ≥ 400	32.1	65.9	75.5	83.3	91.7	95.0	96.6	98.2	98.6	99.2	99.7	99.7	99.7	99.7	99,7	99.7
≥ 300 ≥ 200	32.1	65.9	75.5 75.5	83.3	91.7	95.0 95.0	90.6	98.2	98.6	99.2	99.8	100.0	100.0	100.0	100,0	100.0
≥ 100 ≥ 0	32.1	65.9	75.5	83.3	91.7	95.0	95.6	58.2	98.6	99.2	99.6		100.0	100.0		100 • 0

TOTAL NUMBER OF OBSERVATIONS

624

USAF ETAC JUL64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

937466 MARTIN MARIETTA ALIFFIELD MD 71-78

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	IBILITY (ST	ATUTE MILI	ES)						
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥2⅓	≥ 2	≥1½	≥114	≥1	≥ 1,4	≥ 5⁄9	≥ 1/2	≥5 16	≥'₄	≥0
NO CEILING ≥ 20000	26.2 31.2	41.9 45.9	46.0 51.5	49.5 55.3	52.4 58.2	52.8 58.6	50.1 50.9	53.1 58.9	53.1 58.9	53.1 58.9	53.1 58.9	53.1 58.9	53.1 54.9	53.1 58.9	53.1 58.9	53.1 58.9
≥ 18000 ≥ 16000	31.2	46.9 47.1	51.5 51.6	55.3 55.5	58.5	58.6 58.7	5{ • 9	58.9 59.1	58.9 59.1	58.9 59.1	58.9 59.1	58.9 59.1	58.9 59.1	58.9 59.1	58,9 59.1	58.9 59.1
≥ 14000 ≥ 12000	31.9	47.5	52.1 53.1	56.1 57.1	59 • 1 60 • 0	59.4	57.7	59.7	59.7	59.7 60.7	59.7 60.7	59.7	59.7 60.7	59.7	59,7	59.7
≥ 10000 ≥ 9000	34.5 35.0	57.7	58.7 59.9	64.9 66.0	67.0	68.1 69.3	60.6	68.6	68.6	68.9 70.1	68.9	68.9 70.1	68.9 70.1	70.1	68.9 70.1	68.9 70.1
≥ 8000 ≥ 7000	35.9 36.7	55.7 56.6	62.6	68.0	71.0	71.4	71.8	71.8	71.8	72.2	72.2 73.3	72.2	72.2	72.2	72,2	72.2
≥ 6000 ≥ 5000	36.7 38.2	57.3 59.9	53.4 56.4	69.9 72.5	73.1 76.1	73.5 75.7	73.9	73.9	73.9	74.3	74.3 77.5	74.3	74.3	74.3	74.3	74.3
≥ 4500 ≥ 4000	38.8	62.0	46.8	73.6	76.9	77.5		78.0	78.0 80.1	78.3 60.4	78.3	78.3 80.4	78.3 80.4	78.3	78.3	78.3
≥ 3500 ≥ 3000	40.9	62.9	70.6	77.3 80.1	84.0	81.9 54.6	82.4 E5.1	52.4 55.1	82.4	82.7	82.7 85.4	82.7	82.7 85.4	82.7	82.7	82.7
≥ 2500 ≥ 2000	41.9	67.8 68.9	74.9 76.2	81.9 84.3	86.1 88.6	86.7 89.6	87.2 9.1	57.2 90.1	87.2 90.1	87.5 90.5	67.5 90.5	87.5 90.5	90.5	87.5 <u>90.5</u>	87.5 90.5	90.5
≥ 1800 ≥ 1500	42.1	70.4	77.2 77.8	85.6 86.5	90 • 1 91 • 7	90.9 92.6	91.4 95.0	93.0	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1200 ≥ 1000	42.2	71.5	79.4	88.3 88.8	94.3	94.3	94.8	94.8 95.8	94.8	95.1 96.1	95.1 96.1	95.1 96.1	95.1 96.1	95.1 96.1	95,1 96,1	95.1 96.1
≥ 900 ≥ 800 ≥ 700	42.2	71.8 71.5	79.5	89.2	94.8	95.8	96.8	9 , . 3 8	96.3 96.8	96.6	97.1	96.6	97.1	96.6 97.1	96,6	97.1
≥ 700 ≥ 600 ≥ 500	42.4	72.5	80.6	90.3	96.9	97.6	9,,•2	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98,5	98.5
≥ 400 ≥ 300	42.4	72.7	30.9 80.9	90.8 90.8	97.4	98.4 99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100-4
≥ 200	42.4 42.4	72.7	80.9	90.8		98.4 98.4	99.7	99.7	99.7	100.0		100.0	100-0	100.0	100.0	100.0
≥ 100 ≥ 0	42.4	72.7	80.9	90.8		98.4 98.4	99.7	99.7 99.7	1	100.0	100.0		100.0	1		

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATULUSY GRANCH USAFFTAC AIR FEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

937464 MARTIL MARIETTA ALSFIELD MD 71-78

1500-1700

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING						-	VIS	IBILITY (STA	ATUTE MIL	ESi						
FEET	≥10	≥6	≥5	≥4	≥3	≥2,5	≥?	≥1'2	≥1,*	≥1	≥ <sup>1</sup> ⁄4	≥4	≥ '>	≥5 16	≥ 14	≥0
NO CEILING ≥ 20000	34.5	46.5 53.1	49.0	52.7 60.9	54 . ઇ 63	55.6 63.8	55.0 64.1	56.0 64.1	56.0	56.0	56.0 64.1	56.0 66.1	56.0 64.1	56.0 64.1	56.0 64.1	56.0 64.1
≥ 18000 ≥ 16000	37.0 37.6	53.5	76.8	61.2		64.1 64.1	64.5	64.5	54.5	64.5	54.5	64.5	64.5	64.5	64.5	64.5 64.5
≥ 14000 ≥ 12000	38.6	54.9	56.1	62.5	64.7	65.5	65.9 66.9	65.9	65.9	65.9	65.9 66.9	65.9	65.9	65.9	65,9	65.9
≥ 10000 ≥ 9000	39.5	59.1	63.5	67.8 68.6	70.2 70.9	70.9	71.3	71.3	71.3	71.3 72.1	71.3	71.3	71.3	71.3	71,3	71.3
≥ 8000 ≥ 7000	40.9	01.2	56.9	72.5	74.8 77.2	75.6 78.1	70.0	76.0 78.5	76.0	76.0 78.5	76.0 78.5	76.0	76.0 78.5	76.0 78.5	76,0 78.5	76.0
≥ 6000 ≥ 5000	43.4	04.3	,	76.2 79.1	78.7	79.5	79.8	79.8	79.8 83.1	79.8 83.1	79.6 83.1	79.8	79.8	79.8	79,8	79.8 83.1
≥ 4500 ≥ 4000	46.1	7C-2	74.6	80.4 83.1	83.3	84.1 85.3	94.5	84.5	84.5	84.5	84.5 87.4	84.5	84.5	84.5	84.5	84.5
≥ 3500 ≥ 3000	48.6	71.9	79.3	85.5	88.4	89.1	29 G	89.5	89.7	8¢.7	89.7	89.7	89.7	89.7	89,7	89.7
≥ 2500 ≥ 2000	49.0	73.3	81.2		90.9	91.7	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92,2	92.2
≥ 1800 ≥ 1500	49.8	74.6	83.1	89.9	93.8	94.8	95.2 95.5	95.2	95.3	95.3 95.7	95.3	95.7	95.3	95.3 95.7	95.3 95.7	95.3
≥ 1200 ≥ 1000	49.5	75.6		91.7	96.1	97.1	97.5	97.5	97.7 98.1	97.7 98.1	97.7 98.1	97.7	97.7 98.1	97.7 98.1	97.7 98.1	97.7
≥ 900 ≥ 800	49.3		85.1	92.1	97.1 97.5	99.3		98.6 99.0	98.8	98.8	98.5	98.8	98.8	98.8	98.8	
≥ 700 ≥ 600	50.0 50.0		8.7.5	92.4	97.5	99.6			99.2	99.2	99.2	99.2	99.2		99,2	
≥ 500 ≥ 400	90.0	74.0	35.5	92.4	97.5	92.R	99.4	99.6	99.8	99.8	99.8	99,8	99.6	99.8	99.8	
≥ 300 ≥ 200	50.0 50.0			92.4	97.5 97.5		34.4	99.6	99.8	99.8		99.8			99,8	
> 100 ≥ 0	50.0	76.0 76.0		92.4	97.5	98.9 98.8		99.6	99.8	99.8		99.8	_	1	100,0	100.0

TOTAL NUMBER OF OBSERVATIONS

516

USAF ETAC 1984 0-14-5 (F.L.A.) PREVIOUS EDITIONS OF THIS FORM AND CASCLETE

# CEILING VERSUS VISIBILITY

93744 MARTIN HARIETTA ALPFIELD MD 71-70

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	IBILITY (STA	ATUTE MIL	FS:						
FEET	≥10	≥6	≥5	24	≥3	≥2',	≥ 2	≥172	≥114	≥1	≥ 34	≥ 5/8	≥ 1/2	≥5 16	≥ ′₁	≥0
NO CEILING ≥ 20000	37.2	44.7 54.5	46.3 57.0	51.3 61.1	53.3 63.4	53.8 63.9		53.8 63.9	53.8	53.8 63.9	53.d 63.9	53.8 63.9	53.8		53.8 63.9	53.8
≥ 18000 ≥ 16000	42.5 42.5	54.7 54.7	57.2 57.2	61.4	63.7	64.1	64.1	64.1	64.1	64.1	64.1 64.1	64.1	64.1	64.1	54.1 54.1	64.1 64.1
≥ 14000 ≥ 12000	42.5	55.6 57.2	58.2 60.0	62.3 64.1	64.6	65.1	65.1	05.1	55 · 1	65.1	65.1 66.9	65.1	65.1	65.1	65.1	65.1
≥ 10000 ≥ 9000	44.4	59.9 60.2	63.2 63.9	67.6 68.3	70.3 71.0	70.8 71.5	78	70.8 71.5	70.8	70.8	70.8	7C.A	70.8 71.5	70.8 71.5	70,8	70 · 8 71 · 5
≥ 8000 ≥ 7000	46.0 47.6	52.5 54.6	66.9 69.4	71.3 74.0	74.3	74.7	74.7	74.7	74.7	74.7 77.5	74.7	74.7	74.7	74.7	74,7 77.5	74.7
≥ 6000 ≥ 5000	47.8 49.9	65.5 68.7	70.8 75.6	75.4 80.5	78.4 83.7	78.9 84.1	75.9 84.1	78.9 84.1	78.9 84.1	78.9 84.1	78.9 84.1	78.9 84.1	78.9 84.1	78.9 84.1	78,9 84.1	78.9 84.1
≥ 4500 ≥ 4000	49.9 50.6	69.2 70.3	76.3 78.4	51.1 83.4	84.4	84.8	84.8	84.8	84.8	84.8	84.6	84.8 87.4	87.4	87.4	84,8	84.8
≥ 3500 ≥ 3000	51.7 51.7	72.5	81.4 83.0	86.4	92.2	90.3 92.6	9 .3	90.3	90.3	92.6	90.3 92.6	90.3	90.3 92.6	92.6	90,3	90.3
≥ 2500 ≥ 2000	52.0 52.2	73.P	83.7 84.8	89.2 90.5	93.8	94.3	94.3 95.9	94.3	94.3	94.3	94.3 95.9	94.3	94.3	94.3	94,3	
≥ 1800 ≥ 1500	52.2 52.2	74.7	54.6 55.3	90.6 91.3	95.2 96.1	95.6 96.6	95.9 95.8	95.9	95.9 96.8	95.9 96.8	95.9 96.8	95.9 96.8	95.9 96.6	95.9 96.8	95,9 96.8	96.8
≥ 1200 ≥ 1000 ≥ 900	52.2 52.2	75.4 75.4	85.5 85.5	91.5	96.3 97.0	97.0 97.7	97.9	97.2	97.9	97.2	97.9	97.2 97.9	97.2	97.2 97.9	97,2	97.9
≥ 800	52.2 52.2	75.4	85.5 85.5	91.7	97.0 97.0	97.7 97.7	97.9 97.9		97.9 97.9	97.9 97.9	97.9 97.9	97.9	97.9	97.9 97.9	97.9 97.9	97.9
≥ 500	52.2 52.2	75.4	85.5	91.7	97.5 97.9	97.7 98.6	97.9 99.1	97.9 99.1	97.9 99.1	97.9	99.1	97.9 99.1	97.9	97.9 99.1	97.9 99.1	99.1
≥ 400 ≥ 300	52.2 52.2	76.1 76.1 74.1	86.4 86.4	92.5	97.9 97.9	98.6 98.6	99.1	99.1	99.3	99.5 99.5	99.5 99.5	99.5	99.5	99.5		99.5
≥ 200 ≥ 100	52.2 52.2 52.2	74.1	86.4 86.4 36.4	92.5	97.9	93.6 98.6 99.6	99.1	99.1 99.1	99.3 99.3	99.5	99.8	100.0	100.0		100.0	100.0
≥ 0	52.2	76.1	66.4	92.5	97.9	98.6	99.1	99.1	99.3	99.5			100.0	100.0 100.0		100 ev

TOTAL NUMBER OF OBSERVATIONS

435

USAF ETAC FORM O-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

9:744 MARTIN MARIETTA AIRFIELD MO

71-76

2100-2300

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST/	STUTE MILI	ES)						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥212	≥ ?	≥1'2	≥1'4	≥1	≥ 14	5,⁴	≥ 7	≥5 16	≥ '4	≥0
NO CEILING ≥ 20000	48,4	5*.9 60.6	58.7 62.4	61.0 64.8	62.4	67.1	52.4	63.4	63.4	63.4 67.1	63.4	63.4 67.1	63.4	63.4	63,4	63.4
≥ 18000 ≥ 16000	50.7	01.0	62.9	65.3	66.7	67.6	57.6	57.6 67.6	67.6	67.6	67.6	67.4	67.6 57.6	67.6	67.6	67.6
≥ 14000 ≥ 12000	51.2 53.5	62.4	54.3 56.7	66.7	66.1 70.4	67.0	50.0 71.4	69.0	69.0	69.0	69.0	69.7	59.0 71.6	69.0	69.0	69.0
≥ 10000	54.5	57.6 53.1	70.9	73.7	75.1 75.6	74.1	7n.1	76.1 75.5	76.1 76.5	76.1	76.1 76.5	76.1 76.5	76.1 76.5	76.1 76.5	76,1 76,5	76.1
≥ 8000 ≥ 7000	56.3 58.2	69.5 72.3	72.8	75.5 78.9	77.0	77.9	91.7	77.9	77.9	77.9	77.9 81.7	77.9 81.7	77.9	77.9	77,9	77.9
≥ 6000 ≥ 5000	58.2	73.2	78.4 79.3	81.2 82.6	82.5 -84.5	45.4	9, 9	84.0	84.0	84.0	84.0 85.9	84.0	84.0	84.0 85.9	84,0	84.0
≥ 4500 ≥ 4000 ≥ 3500	59.6	7" • 1 72 • 4	80.3 -84.0	87.3	89.7	90.5	9. 9 9. 1	86.9	86.9 91.1	86.9	86.9 91.1	86.9	96.9	91.1	86,9 91,1	91-1
≥ 3000	62.9	70.8	85.9 £7.8	89.2	91.5 93.4	92.5	95.0 94.8	93.0	93.0	93.0	93.0 94.8	93.0	93.0	93.0	93,0	93.0
≥ 2500 ≥ 2000 ≥ 1800	63.8	61.7	88.7	92.0	94.0	95.R	92	96.2	90.2 96.2	96.2	96.2 96.2	96.2	96.2 96.2	96.2	96.2	96.2
≥ 1500 ≥ 1200	63.8 63.8	01.7 82.5	88.7 90.1	92.0	94.6 96.2	95.8	\$7.7	56.2 <u>\$7.7</u>	96.2	96.2	97.7	96.2	96.2 97.7	96.2	96.2	96.2
≥ 1000	63.8	83.1	90.0	93.9	96.7 97.2	97.7 98.1	91 93.6	98.1	98.1	98.1 98.6 98.6	98.1 98.6	98.1	95.1 98.5	98.1 98.6	98,1 98,6	98.1
≥ 800	63.6 63.8	53.1 83.1 83.1	91.1 91.1 91.1	94.4	97.7	98.1 98.6 98.6	99.1	98.6 99.1 99.1	98.6 99.1	98.6 99.1	99.1	98.4 99.1 99.1	98.6 99.1	98.6 99.1	98,6 99,1 99,1	98.6 99.1 99.1
≥ 600	63.8 63.8	83.6 4.50	91.5 91.5	94.8	98.1 98.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5 100.0	99.5	99.5
≥ 400 ≥ 300	63.8 63.8	83.6 02.6	91.5 91.5	94 B	98.1 98.1	99.1	95.5	99.5	99.5	100.0	100.0	100.0	100.0	100-0	100.0	100.0
≥ 200	63.8	33.6	91.5	94 H	98.1 98.1	99.1 99.1	95.5 95.5	99.5	99.5	100.0		100-0	100.0	100.0	100.0	100.4
≥ 0	63.8	83.6	91.5	94.8	98.1	99.1	0/, 5	99.5	99.5	100.0		. • • •	106.0		100 d	

TOTAL NUMBER OF OBSERVATIONS

213

LISAF ETAC 101.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

93744 MARTIN MARIETTA AIRFIELD MD 71-75

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

HOURS

CEILING			*				VIS	BILITY (STA	ATUTE MIL	ES1						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥ 21/2	≥2	≥1%	≥1%	≥1	≥ 34	≥ 3/9	≥ 15	≥ 5 16	≥ '4	≥0
NO CEILING ≥ 20000	30.3	43.4	47.2	50.6	52.5	53.7	54.1	54.2	54.2	54.2 60.5	54.2	54.2	54.2	54.2	54.2 60.5	54.2
≥ 18000 ≥ 16000	32.9	4°.4	52.7 52.7	56.8 56.8	59.4	60.2 60.2	6 . 6	60.6	60.6	60.6 60.7	60.6 50.7	60.6 60.7	50.0	60.6	60,6 60.7	60.6
≥ 14000 ≥ 12000	33.3	47.1	53.4 54.6	57.6 59.0	60 · 1	60.9	61.3	61.4 62.8	62.8	51.4 62.8	61.4	61.4 62.8	41.4	61.4	61,4	61.4
≥ 10000 ≥ 9000	35.0	52.4 53.9	58.5	63.5	66.2	67.1	67.6	67.6	67.6	67.8	57.9 69.0	67.9	67.9	67.9	67.9	67.9
≥ 8000 ≥ 7000	36.3	54.1 57.3	52.0 63.5	67.2 68.8	70.2 71.8	71.2 72.8	71.6 75.3	71.7	71.7	71.8	71.9	71.9 73.6	71.9 73.6	71.9 73.6	71,9	71.9
≥ 6000 ≥ 50xi0	37.4	58.2	64.0	70.0	73.1	74.0	74.5	74.6 77.8	74.6	74.8	74.9 78.2	74.9	74.9	74.9	74,9	74.9
≥ 4500 ≥ 4000	39.4	61.1	67.9	73.5	77.0	78.1 80.2	7: .6	78.6	78.7 83.9	78.9 81.2	79.0	79.0 81.3	79.0	79.0 81.3	79,0	79.0 81.3
≥ 3500 ≥ 3000	41.0	63.9	71.3	77.2 78.8	80.9	82.1 83.9	82.7	82.5	82.9	83.2 85.1	83.3 85.2	85.2	85.2	87.3	83,3	83.3
≥ 2500 ≥ 2000	41,7	64.1 67.0	74.0	50.1 51.9	84.3	85.6	° , 2	36.4 88.4	86.5	86.7 88.8	86.9 86.9	86.¢	68.9	86.9 88.9	86.9	86.9 88.9
≥ 1800 ≥ 1500	42.2	59.0	75.7	82.4	86 . 8 88 . 2	89.5	A 8	88.9	90.6	89.3	99.4	89.4		89.4 91.0	91.0	91.0
≥ 1200 ≥ 1000	42.3	67.5	77.8	85.1 86.0	90.2	91.7	94.0	92.7	94.5	93.1	93.3	93.3		93.3	93.3	93.3
≥ 900 ≥ 800	42.4	69.4	78.6 79.1	86.3	92.4	93.8	94.6	95.0 36.1	95.1	95.4	95.6 96.7	95.6 96.7	96.7	95.6	95,6	96.7
≥ 700 ≥ 600	42.5	70.4	79.3 79.5	87.1 87.6	93.5	95.6 95.3	97.6	97.1 98.1	97.2	98.5	97.7 98.8		97.7 98.8	97.7 98.8	97,7 98,8	98.8
≥ 500 ≥ 400	42.5	70.5	79.8 79.8	87.7	94.3	96.6 96.6	9, 00 9,00	98.6	96.8 98.8	99.3	99.5	99.7	99.6 99.7	99.7	99.7	99.7
≥ 300 ≥ 200	42.5 42.5	70.5	79.0	87.7	94.3 94.3	96.6 96.6	90.0 90.0	28.6	98 • 8 98 • 8	99.3	99.6	99.5	39.9	99.9	99.9	100 -
≥ 100 ≥ 0	42.5	70.5			94.3	96.6 96.6	9 0	98.6 98.6	98 • 8 98 • 8		1 1	99.8		99.9		100 • 0

TOTAL NUMBER OF OBSERVATIONS

2964

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

93746 MARTIN MARIETTA AIRFIELD NO 71-76

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600=0800

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						
FEET	≥10	≥6	≥ 5	≥4	≥3	≥21⁄2	≥ 2	ביובַ	≥114	ا≤	≥ 34	≥ ⅓	≥ 1/2	≥5 16	≥ '4	≥0
NO CEILING ≥ 20000	10,5	35.7 38.0	41.5	46.8 50.7	51.7 56.9	54.0 50.5	55.2 68	56.3	56.5 62.0	57.1 62.6	57.1 62.6	57.1 62.6	57.1 62.6	57.1 62.6	57,1 62.6	57 · 1
≥ 18000 ≥ 16000	19.5	39.4	45.0	51.5 51.5	57.7 57.7	60.4	51.6	62.6	62.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 14000 ≥ 12000	19.5	J₽.4	7,000	51.7 52.4	57.9 58.7	60.8 61.6	6, 0 6, 8	63.9	63.2	63.9	63.9	63.9	63.9	63.9	63,9	63.9
≥ 10000 ≥ 9000	20.3	43.3	50.1 50.9	57.5 58.3	64.3	67.6	69.2 7.4	70.4	70.8	71.5	71.5	71.5	71.5	71.5	71,5	71.5
≥ 8000 ≥ 7000	20.7	45.4	53.0	61.2	68. J	71.5	75.5	74.9 76.8	75.4	75.0	76.0 77.8	76.0 77.8	76.0 77.4	76.0	76,0	76.0
≥ 6000 ≥ 5000	21.6	47.2	55.2	64.3	71.7	75.2 78.6	77.4	78.9	79.3	79.9 83.4	79.9	79.9 83.4	79.9	79.9 83.4	79.9 83.4	79.9
≥ 4500 ≥ 4000	22.4	40.9	57.7 58.3	67.8	75.4	79.1 80.1	8) 3	83.8	83.2 84.2	83.8 85.0	83.8	83.8	93.8	83.8 85.0	83.8	83.8
≥ 3500 ≥ 3000	22.4	50.5	58.9	69.0	76.6	60.7	94.6	84.8	85.2	86.0 87.5	86.0 87.5	86.0	86.0	86.0 87.5	86.2 97.7	86.2
≥ 2500 ≥ 2000	22.6	5^.9 50.9	59.3	69.5		81.9	84.8 85.0	86.4	86.9	87.7 88.1	87.7 88.1	87.7 88.1	97.9	87.9 88.3	88,1	88.1
≥ 1800 ≥ 1500	22.6	51.9 51.1	59.3	69.6 70.2	77.8 78.6	61.9 82.8	85.0 85.8	86.9 87.7	87.3 88.1	89.1	89.1	88.1 89.1	38.3 89.3	88.3	88,5	88.5
≥ 1200 ≥ 1000	22.6		60.0	70.6	79.7 82.1	83.8	86.9	88.7 91.2	89.1 91.6	90.1	90.1	90.1	90.3	90.3	90,6	90.6
≥ 900 ≥ 800	22.6	}		72.7	83.0 84.0	87.3	91.6	92.2	92.6	93.8 95.1	94.0	94.0	94.3	94.3 95.5	94,5	94.5
≥ 700 ≥ 600	22.6	1		73.7	84 . 6	87.7 90.1	94.0	94.9	95.3	96.5	96.7 97.7	96,7	96.9	96.9 97.9		97 • 1 98 • 2
≥ 500 ≥ 400	22.5	53.0	62.4	73.7	85.6	91.0 91.0	95.1 95.1	96.9	97.3 97.3	98.6 98.6	98.6	98.9 98.8	99.0	99.0	99.2	
≥ 300 ≥ 200	22.6		62.4	73.9 73.9	85.d	91.4 91.4	95.5	97.3 97.3	97.7	99.0 99.0		99.2	99.4	99.4	99,6	99.8
≥ 100 ≥ 0	22.6	53.0	62.4	73.9	85 a	91.4 91.4	75.5 95.5	97.3	97.7 97.7	99.0	99.2	99.2	99.4	99.4		100.0

TOTAL NUMBER OF OBSERVATIONS

467

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

93744 MARTIN MAKIETIA AIRFIELD MO 71-76

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							VIS	BILITY (STA	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥ 5	≥4	≥3	≥214	≥2	≥1 1/2	≥114	≥ı	≥ 3,4	≥ 2/8	≥ '7	≥ 5 16	≥ '4	≥0
NO CEILING ≥ 20000	21.9	43.7	51.2 55.8	54.2 59.5	58.7 64.6	67.4 66.3	6^.9 60.8	60.9 66.8	60.9 66.8	60.9 66.8	60.9 66.8	60.9 66.8	60.9 66.8	60.9	60,9 66,6	60.9 66.8
≥ 18000 ≥ 16000	24.1 24.1	47.5	56.5 56.5	60.1 60.1	65.2	67.0 67.0	57.5	67.5 67.5	67.5 67.5	67.5 67.5	67.5 67.5	67.5	67.5 67.5	67.5 67.5	67.5	67.5 67.5
≥ 14000 ≥ 12000	24.1	47.7	56.5 58.2	60.8 62.7	67.9	67.6 69.7	60.1 70.2	68.1 70.2	68.1 70.2	68.1 70.2	58 • 1 70 • 2	69.1 70.2	70.2	68.1 70.2	68.1 70.2	68.1 70.2
≥ 10000 ≥ 9000	25.0 25.0	52.5 52.5	62.4	67.1 07.3	73.5	75.6 75.4	75.8	75.8 76.2	75.8 76.2	75.8 76.2	75.8 76.2	75.8 76.2	75.8 -76.2	75.8 76.2	75.8 76.2	75.8 76.2
≥ 8000 ≥ 7000 ≥ 6000	25.d 26.2	55.7 -55.5	65.9 66.8	71.6	77.8	79.7		60.9 82.0	80.9	80.9 82.0	80.9	80.9 62.0	50.9 52.0	80.9 82.0 83.3	80.9 82.0 83.3	60.9 62.0 83.3
≥ 5000 ≥ 5000 ≥ 4500	26.5 27.0	57.1 58.4	67.0	74.0	82.0	32.1 33.9		83.3 65.2 85.2	83.3 85.2	83.3 85.2 85.2	83.3 85.2 85.2	83.3 85.2 85.2	83.3 85.2 85.2	85.2	85.2 85.2	85.2
≥ 4000 ≥ 3500	27.0 27.3 27.3	59.4 59.7	59.7	75.6 76.1 76.9	82.0 82.6 83.4	84.5 85.3	85.0 85.6	86.0	86.9	86.1	86.1	86.9	86.9	85.1 86.9	86.9	86.9
≥ 3000 ≥ 2500	27.3 27.3	59.6	71.0	78.1 78.3	84.8	86.8 87.1		88.8	88.7	88.7	88.7	88.7	89.0	88.7	38.7 89.0	88.7
≥ 2000	27.3 27.3	لى <u>دە</u> 1 60	72.1 72.1	79.4 79.4	86.3 86.6	88.2	85 ó	90.1	90.3	90.3	90.3	90.3	90.6	90.3	90.3	90.3
≥ 1500	27.9 28.1	61.6	73.2 74.5	80.9	90.0	90.6	92.0	94.6	92.7	92.7	94.7	94.7	92.7	92.7	94.7	92.7
≥ 1000	28.1 28.1	62.5	75.6	83.9	92.5	94.7	90.2	96.7	96.8	96.8	96.7 96.8	96.7 96.8	96.8 96.8		96.8	
≥ 800 ≥ 700 ≥ 600	28.1 25.1	62.	75.0	84.2		95.2 96.0	97.9		97.6 98.6	97.6 98.6		97.6	97.6 98.6	98.6	97.6 98.6	98.6
≥ 500 ≥ 400	28.1 28.1	62.7	75.6		93.3 93.6	96.7	90.7	99.5	99.8	99.8			100.0			100.0
≥ 300 ≥ 200	28.1	62.7	75.8 75.8		93.6		9:.7	99.5	99.8	99.8	100.0		100.0	100.0 100.0	100,0	100.0
≥ 100 ≥ 0	28.1 28.1 28.1	62.7 62.7	75.8	84.4 84.4	93.6 93.6	96.7 96.7 96.7	9±.7	99.5	99.8		100.0	100.0	100.0	100.0	100,0	

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# **CEILING VERSUS VISIBILITY**

93744 MARTIN MAKIETTA AIRFIELD MD 71-70

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	BILITY (ST	ATUTE MIL	ESI						
FEET	≥10	≥6	≥5	≥4	≥ 3	≥2"2	≥2	≥1%	≥114	≥1	≥34	≥ 5/8	≥ 1 <sub>9</sub>	≥ 5.16	≥ ′₄	≥0
NO CEILING ≥ 20000	23.7	41.4 49.0	46.9 55.7		54.4	55.0 64.9	55.0 64.9	55.0 64.9	55.0 64.9	55.0 64.9		55.0 64.9	55.0 64.9		55,0	
≥ 18000 ≥ 16000	27.9	49.4	56.0	60.7 60.7	64.9	65.6	65.6	65.6 65.6	65.6	65.6		65.6	65.6	1	65.6	
≥ 14000 ≥ 12000	28.1	51.6	57.J	61.7 63.5	65.4	66.6	40.6 65.3	66.6 68.3	66.6	68.3	56.6 68.3	66.6	68.3	66.6	66,6 68,3	66.6
≥ 10000 ≥ 9000	29.4	55.2 55.4	62.8 63.0	67.9 66.0	72.4 72.9	73.1 73.5	7 2 0 1 7 2 0 5	73.1 73.5	73.5	73.1	73.1 73.5	73.1 73.5	73.1	73.1 73.5	73.1 73.5	73.1 73.5
≥ 8000 ≥ 7000	30.5	58.3 58.4	66.4	71.1 71.4	76.5	76.6 76.9	70.6	77.3	76.8	77.2	77.3	77.3	76.8	77.3	77.3	77.3
≥ 6000 ≥ 5000	30.5 30.8	۶۹,۸ <u>61.4</u>	67.0	72.6 76.8	77.4 81.7	78.2 82.5	7c.4	78.6 22.8	78.6 82.8	78.6	82.8	78.6 82.8	82.8	82.8	82.8	82.0
≥ 4500 ≥ 4000	31.3	63.6	71.8	80.7	82.5 86.5	83.3 87.3	37.5	83.6	83.6 87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3500 ≥ 3000	32.1	05.1	76.0 77.9		88.5 90.7	89.1 91.6	91.7	89.4 91.9	91.9	89.4 91.9	89.4 91.9	91.9		91.9		91.9
≥ 2500 ≥ 20^0 ≥ 1800	32.5	09.3	3000	87.2	91.4	92.2	94.6	92.5	92.5		95.0	95.0	95.0	95.0	92,5 95.0 96.1	95.0
≥ 1500	32.6	69.2	80.4 81.5	69.0	94.8 95.6	95.6 96.6	95.8	96.9	95.9 96.9		96.1 97.1 98.2	96.1 97.1 98.2	96.1 97.1 98.2	97.1	97.1	96.1 97.1 98.2
≥ 1000	33.3	69.5		89.8	97.1	97:7 98:1 98:1	97.9	98.1 98.5 98.5	98 • 1 98 • 5	98.7	98.2 98.7 98.7	98•2 98•7 98•7	98.7	98.7 98.7	98,7 98,7	98.7
≥ 800 ≥ 700	33.3 33.3	09.6		19.4	97.6	98.5 98.5	99.0	99.2	99.2	99.4	99.4	95.4	99.4	99.4	99.4	99.4
≥ 600	33.3	69.6	81.5	89.9	97.7	98.9 98.9	99.6	99.7	99.7	99.8	99.4	99.8	99.6	99.8	99.6	1 1
≥ 400	33.3	69.6	81.5	19.9	97.7	98.9 98.9	79.4	99.7	99.8	100.0	100.0	100.0	100-0	100.0	100,0	100.0
≥ 200	33.3	69.6		89.9	97.7	98.9	29.4	99.7 99.7	99.8	100.0		100.0	100.0	100.0	100.0	100.0
≥ 0	33.3	09.6	51.5	69.9	97.7	90.9		99.7		100.0		100.0				100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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0

1

(1

# **CEILING VERSUS VISIBILITY**

93744 MARTIN MAPIETTA AIRFIELD MD 71=78

PERCENTAGE FREQUENCY OF OCCURRENCE

1500-1700

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES:						
(FEET)	≥10	≥6	≥5	≥ 4	≥ 3	≥212	≥ 2	≥1%	≥114	≥1	≥ 34	≥ 5/4	צ'י≤	≥ 5 16	≥ 14	≥0
NO CEILING ≥ 20000	24.2	41.3	44.4 53.3	50.9	53.5	53.7	55.7	53.7	53.7	53.7 64.0	53.7	53.7	53.7	53.7	53.7	53.
≥ 18000 ≥ 16000	29.0	49.7	53.7 53.7	60.8	64.4	64.8 64.8	64.8	54.8	64.8	64.8	54.8	64.3	64.8	64.8	54.8	64 - 8
≥ 14000 ≥ 12000	29.1 30.3	50.1 53.0	54.1 57.0	61.1	65.1	65.5 68.8	65.5 5.8	65.5 68.8	65.5	65.5 68.8	65.5	65.5	65.5	65.5	65,5	65 .
≥ 10000 ≥ 9000	31.6 31.6	54.7 56.6	60.8	68.8 69.1	73.3	77.7	73.7	73.7	73.7	73.7 74.1	73.7 74.1	73.7	73.7 74.1	73.7	73,7	73.
≥ 8000 ≥ 7000	32.2	۶۹.9 59.4	63.6	71.8	76.4	76.0 77.9	7 <sub>0</sub> .8	76.8 77.9	76.8 77.9	76.8 77.9	76.8 77.9	76.9 77.9	76.8 77.9	76.8	76.8	76 • 5
≥ 6000 ≥ 5000	32.4 32.6	00.0	64.8	73.5	78.3	79.7 81.9	78.7	78.7	78.7	78.7 81.9	78.7	78.7 81.9	78.7 81.9	78.7 81.9	78,7 81.9	78.7
≥ 4500 ≥ 4000	33.3	03.0	68.2 70.9	77.9	83.4	54.2 88.2	84.2	84.2	84.2	84.2 88.2	84.2	84.2	84.2	84.2	84.2	84
≥ 3500 ≥ 3000	34.3	67.0	73.4	84.0 85.1	90.3	91.0	91.0 91.1	91.0 93.1	91.0	91.0 93.1	91.0	91.0	93.1	91.0	91.0	91.0
± 2500 ≥ 2000	34.9 35.6	6F.n	74.5	86.3	93.1	93.9	94.3	94.3	94.3	94.3 96.8	94.3	94.3	94.3 96.8	94.3	94.3	94.
≥ 1800 ≥ 1500	35.6 35.8	69.7	76.0	88.2	95.0	96.4	96.8	96.8	96.8	96.8 97.0	96.8	96.	96 • 8 97 • 0	96.8 97.0	96.8	96.
≥ 1200 ≥ 1000	35.8 35.8	70.3	76.6 76.6	69.3	97.j	97.7	93	98.3	96.3	98.3	98.3 98.5	98.3	98.3	98.3	98.3	98 •
≥ 900 ≥ 800	35.d	7^.3	76.8	89.3	97.1	97.9	95	98.5	98.5	98.5	98.5	98.5	98 • 5 98 • 5	99.5	98,5 98.5	98 • . 98 •
≥ 700 ≥ 600	35.8 35.4	7^.3 70.3	76.d	39.3	97•1 98•1	97.9	99.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98,5	98 •
≥ 500 ≥ 400	35.8	70.3 70.3	77.3	90.5	98.3	99.0	99.6	99.6	99.6 99.8	99.6	99.6	99.4	99.8	99.R	99.8	99.
≥ 300 ≥ 200	35.8 35.6	70.3	77.3	90.5	98.3	99.2 99.2	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100,0	100.
≥ 100 ≥ 0	35.8 35.8	70.3	77.3 77.3	90.5	98 • d 98 • 3	99.2	99 <b>.8</b> 99.8	99.8 99.8	99.8	99.8	99.8	99.8	100.0	100 • d:	100.0	100•1

(FROM HOURLY OBSERVATIONS)

TOTAL NUMBER OF OBSERVATIONS

52

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLUCY 39ANCH USAFETAC AIR "EATHER SERVICE/"AC

# CEILING VERSUS VISIBILITY

93,746 MARTIN MAKIETTA AIRFIELD MD 71-75

1800-2000

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (STA	ATUTE MIL	ES:						
FEET	≥10	≥6	≥5	≥4	≥ 3	≥212	≥2	≥112	≥1'4	≥1	≥ '4	≥ >₀	≥ ½	≥5 16	≥ '4	≥0
NO CEILING ≥ 20000	25.6	42.9 50.8	49.2 56.1	53.1 61.5	35.0 65.7	55.9 66.6	55.8 65.8		55.8 66.8	55.8 66.8		55.8 66.8	55.8	55.8 66.8	55,8	55.8 66.8
≥ 18000 ≥ 16000	30.0	51.º	56.5 56.5	62.0	66.1	67.0 67.0	67.3	57.3 57.3	67.3	67.3	67.3 67.3	67.3	67.3	67.3	67.3	67.3
≥ 14000 ≥ 12000	30.4	51.9 54.5	57.4	63.2 65.9	1	69.4 71.2	76	68.6	66.6 71.6	68.6	68.6 71.4	68.6	68.6	63.6 71.6	68.6 71.4	68.6 71.4
≥ 10000 ≥ 9000	34.1 34.6	57.7 29.6	64.3 65.2	70.7	75.5 76.4	76.7 77.6	70.9	76.9 77.8	76.9 77.8	76.9 77.8	76.9 77.8	76.9 77.8	76.9 77.8	16.9 77.8	76.9	76.9 77.8
≥ 8000 ≥ 7000 ≥ 6000	35.2 35.7	61.1	68.2	74.8 - 76.7	79.9	8] • 0 82 • 8	91.2 93.1	01.2 03.1	83.1	81.2	81.2 83.1	81.2 83.1	P1.2	81.2 63.1	81,2 83,1	81 • 2 83 • 1
≥ 5000 ≥ 5000	36.2	54.4	70.7	77.8 79.4	84.4	84.0	94.2 <u>دع</u>	35.8	84.2	84.2	84.2 85.8	84 • 2 85 • P	85.8	85.8	84.2 85.8	84.2 85.8
≥ 4000 ≥ 3500	36.6 37.1	65.9	72.6	60.1 63.1 64.4	85.1 88.1	89.5	8c.5	86.5 29.9	86.5	86.5 89.9	86.5	86.5	96.5	89.9	86.5	86.5
≥ 3000 ≥ 2500	37.8 37.8 35.2	06.8 67.5	76.4 78.0 78.5	35.3 07.2	89.5 92.2 93.1	90.8 93.6 94.5	91.1	91.3	91.3	91.3 94.5 95.4	91.3	91.3	94.7	91.3	91,3	91.3
≥ 2000 ≥ 1800	36.2	08.4	78.9 78.9	87.9	94.1	95.4	95.0	95.2 96.1 96.1	95.2 96.1 96.1	96.3	95.4 96.3	95.4 96.3 96.3	95.7 96.6	95.7 95.6 95.6	95,7 96.6 96.6	95.7 96.6 96.6
≥ 1500 ≥ 1200	38.2 38.2	69.A	30.1 80.5	59.5	95.2	96.6	97.0 07.5	47.3	97.7 97.7	97.5	97.5	97.5	97.7 96.2	97.7 98.2	97.7	
≥ 1000	38.2	70.0	80.d	89.7	95.9	97.3 97.3	97.7	97.9	97.9	98.2 98.2	98.2	98.2	98.4	98.4	98.4 98.4	98.4
≥ 800 ≥ 700	38.2	70.7	80.d	89.7	95.4	97.3	97.9	98.2	96.2	98.4	98.4	98.4	98.6	99.6	98.6	98.6
≥ 500 ≥ 400	30.2 30.2	70.0	40.E	90.2 90.8	97.0	97.7 98.4	9.4	98.6	98.6	95.9	98.9	98.9	99.1 190.0	99.1	99.1	99.1
≥ 300 ≥ 200	38.2	70.0	81.5	90.5	97.0	98.4	99.1	99.3	99.3	99.5	99.5 99.5	99.5	• • • · · · · · · · · · · · · · · · · ·	100.0	100,0	100.0
≥ 100 ≥ 0	38.2 38.2	77.7	61.5 61.5	90.8 90.8 90.8	97.	98.4 98.4 98.4	95.1 95.1	99.3 99.3	99.3 99.3	99.5 99.5			100.0		100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

437

USAF ETAC 10064 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATULUSY USANCH USAFFTAC AIR REATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

93744 MARTIN MARIETTA AIRFIELD MO 71-76

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							VIS	BILITY (ST	ATUTE MILE	ES)						
FEET:	≥10	≥6	≥ 5	≥4	≥3	≥2'⁄2	≥ 2	≥11/2	≥1'4	≥1	≥ 34	≥ ⅓,	≥ '2	≥ 5 16	≥ 14	≥0
NO CEILING ≥ 20000	41.0	54.8 59.9	51.3 57.7	63.4	65 · u	65.0 73.7	63.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65 • 74 •
≥ 18000 ≥ 16000	43.6	50.0	67.7	71.0	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74,2	74. 74.
≥ 14000 ≥ 12000	45.2	61.3	49.6 71.9	72.9 75.1	75.0	75.6	7~.0	76.0	76.0 78.3	76.0	76.0	76.0	76.0	76.0 78.3	76.0	76 • 78 •
≥ 10000 ≥ 9000	50.2	56.8	75.6	78.8 79.3	91.0	32.5	9 2 . 5 8 2 . 9	32.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.
≥ 8000 ≥ 7000	50.7	5R.7	77.9	81.1	83.9	64.3	R 4 . B	5408	84.8	84.8	84.6	84.8	84.8	84.8	84,8	84.
≥ 6000 ≥ 5000	50.7	59.7	78.8	83.9	84.6	85.3	8 5 7 6 7	65.7	85.7	85.7	85.7	85.7	85.7 87.6	85.7 87.4	85.7 87.6	85. 87.
≥ 4500 ≥ 4000	51.2	69.1	79.7	34.8	87.6	-	91.2	88.5	88.5	88.5	88.5	88.5	38.5	88.5	88.5	88.
≥ 3500 ≥ 3000	53.5	72.4	°2.9	38.9	91.7	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92,6	
≥ 2500 ≥ 2000	56.7	77.0	87.6	93.5	96.3	96.8 96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	
≥ 1800 ≥ 1500	56.7	77.0	87.0	93.5	96.3	96.8	97.7	97.2	97.2	97.2	97.2	97.2	97.2		97,2	97. 97.
≥ 1200 ≥ 1000	56.7	77.4	88.9	94.9	97.7	98.2	9 .6	98.6	98.6	98.6	98.5	98.5	98.6		98.6	98.
≥ 900 ≥ 800	50.7	77.4	48.4	94.9	97.7	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99,1	99.
≥ 700 ≥ 600	56.7	77.4	89.4	95.4	96.6		1 70.0	100.0					100.0	100.d		100.
≥ 500 ≥ 400	56.7	77.4	89.4	95.4	98.d					00.0		100.0	100.0	100.0	100,0	
≥ 300 ≥ 200	50.7 50.7	77.4	89.4	95.4	96.0	99	100.0	100 • q	100 · q	100.0	100.0	100.0	100.0	100.0	100,0	
≥ 100 ≥ 0	50.7	77.4	39.4	95.4	98.0	99.3	15. d					100.0		100.d	100.0	

TOTAL NUMBER OF OBSERVATIONS

217

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

93746 MARTIN MANIETTA AIRFIELD MO 71-76 PERCENTAGE FREQUENCY OF OCCURRENCE

# (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥21,	≥ 2	≥1½	₄نا≤	≥1	≥ 14	≥ 5/8	≥ 1/2	≥ 5 16	≥ %	≥0
NO CEILING ≥ 20000	24.1	42.2		52.2 59.4	55.7	56.6 95.1	57.0	57.1	57.2	57.3 65.8	57.3 65.8	57.3	57.3	57.3 65.8	57.3	57·3
≥ 18000 ≥ 16000	27.3	49.2 48.2	54.5	60.0	64.5	65.7	65.1	66.3	66.3	66.4	66.4	66.4	46.4	66.4	66.4	66.4
≥ 14000 ≥ 12000	27.6 28.6	49.7	55.4 57.3	60.8	65.4	66.6 68.7	67.0 69.1	67.2	67.2	67.3	67.3	57.3 69.4	57.3 69.4	67.3	67.3	67.3
≥ 10000 ≥ 9000	29.6	54.0 54.4	61.6	67.8	72.5	73.9	74.4 75.1	74.6	74.7	74.8	74.8	74.8 75.4	74.8	74.8	74.8 75.4	74.8
≥ 8000 ≥ 7000	30.4	54.9 57.5	64.6 55.4	71.0 72.0	76.5	77.7 78.8	76.3	78.6 79.8	78.7 79.8	78.8 79.9	78.8 79.9	78.8 79.9	78.8	78.8 79.9	78,8 79,9	78.8 79.9
≥ 6000 ≥ 5000	30.8 31.3	5° • 1		73.2	78.6 Bl.4	80.9	Fi 7	61.0 63.9	81.1	81,2 84.1	81.2	81.2	81.2 84.1	81.2	81.2	81.2 84.1
≥ 4500 ≥ 4000	31.5	60.1 61.5	69.0 70.7	76.5 78.7	82.1 84.5	83.7	84.4 87.0	84.7 37.4	84.8	84.9	87.6	84.9 87.6	84.9	64.9 87.6	84,9	87.6
≥ 3500 ≥ 3000	32.3	62.5	72.0 73.2	80.1 81.6	86 - 1 88 - u	87.7	9.6	88.9 91.1	89.0 91.2	89.1 91.3	99.1	89.1 91.3	89.1 91.4	89.1 91.4	89,2 91,4	89.2 91.4
≥ 2500 ≥ 2000	32.8	64.5	73.7	82.2 83.3	90.4	90.3	91.3	91.8	91.9	92.1 93.5	92.1	92.1 93.5	92.1 93.6	92.1 93.6	92,2	93.0
≥ 1800 ≥ 1500 ≥ 1200	32.9 33.3	64.5 65.1	74.6	83.5	90.3	92.0	92.0	93.5	93.6	93.8	93.8	93.8	93.9 95.0	93.9	93.9	93.9
≥ 1200 ≥ 1000 ≥ 900	33.3	65.9	75.9 76.5	85.2	92.5	94.2	95.3	95.8 96.8	95.9	95.1 97.1	96.1 97.2	96.1 97.2	96.2	96.2	96.2	97.3
≥ 700 ≥ 800 ≥ 700	33.3	66.0	76.5	85.9 86.2 86.3	93.6 94.3	95.4 95.8	96.5	97.0	97.1 97.7	97.4	97.4	98.0	97.5 98.0	98.0	97,5 98,1	97.5 98.1
≥ 600 ≥ 500	33.3 33.3	65.1 65.1	76.7 76.9		94.5	95.3 95.7	97.6	98.1 98.7 99.1	98.2 98.8	98.5 99.6	98.5	98.5 99.2	98.6 99.2	99.2	98,6	98.6
≥ 400 ≥ 300	33.3 33.3	66.1	76.9 76.9	86.7	94.9	97.1 97.2	9:.6	99.2	99.3	99.6	99.7	99.7	99.6	99.8	99.8	
≥ 200 ≥ 100	33.3	65.1	76.9 76.9	86.7	94.9	97.2	97	99.2	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0
≥ 0	33.3	<u> </u>	76.9		94.9	97.2	20.1	99.2	99.4	99.7	99.0	99.8	99.9	99.9	99.9 99.9	100 • 0

TOTAL NUMBER OF OBSERVATIONS

2911

USAF ETAC JUL 64 0-14-5 (OL A) MERVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

93744 MARTIN MARIETTA AIRFIELD NO 70-78

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600=0600

CEILING							VIS	BILITY (ST	ATUTE MILI	ES)						
FEET	≥10	≥6	≥5	≥4	_3	≥2⅓	≥2	≥1%	≥114	≥1	≥ 1,4	≥ 5/0	≥ ⅓	≥ 5 16	≥ '4	≥0
NO CEILING ≥ 20000	14.5 15.0	29.1	36.6 38.2	43.1 44.8	48.4 50.0	53.2 55.9	55.9 53.8	56.6 59.6	55.6 59.8	56.9 60.3	56.9 60.3	56.9 60.3	57.1 60.5	57.1 60.5	57,1 60.5	57.1 60.5
≥ 18000 ≥ 16000	15.0 15.0	37.7	38.5 38.5	45.3	51.3 51.3	56.4 56.4	57.3 59.3	60 • 1 50 • 1	60.3	60.8	60.8 60.8	60.8 60.8	61.0	61.0	61,0	61.0
≥ 14000 ≥ 12000	15.3	31.3	39.2 41.1	46.3 48.6	52.5 55.2	57.5 60.6	6 .5	61.3 64.7	61.5	62.0 65.4	62.0	62.0 65.4	65.6	62.2 65.6	62,2	62 • 2 65 • 6
≥ 10000 ≥ 9000	16.2	34.6 34.8	44.8 45.1	52.8 53.3	60.3	65.8	69.3	70.5	70.7	71.2	71.2	71.2 71.9	71.4	71.4	71,4 72,1	71.4 72.1
≥ 8000 ≥ 7000	16.9 17.0	36.3 37.1	46.7	55.0 56.4	63.0 64.0	69.8 70.4	72.7	73.9 75.5	74.1 75.6	74.6	74.6 76.1	74.6 76.1	74.6	74.8 - 76.3	74,8 76,3	74.5 76.3
≥ 6000 ≥ 5060 ≥ 4500	17.2	37.6	48.6	58.3	65.1	71.0 73.1	75.1 77.3	76.5 78.7	76.7 78.9	77.2	77.2 79.4	77.2	77.3	77.3 79.6	77,3	77.3 79.6
≥ 4000 ≥ 4000 ≥ 3500	17.2 17.7	35.3 38.8 39.2	50.3	59.6	67.1	73.1 75.3 76.3	77.3	78.7	78.9 81.1 82.1	79.4 81.6 82.8	79.4 81.6 82.8	79.4 61.6	79.6 81.8	79.6 81.8 83.0	79,6 81.8	79.6 81.8 83.0
≥ 3000 ≥ 2500	17.7	39.2	50 a b	60.8	70.4 71.7	77.2	81.9	81.9 83.6	83.8 84.5	84.5	82.8 84.5 85.2	82.8 84.5 85.2	83.0 84.7 85.3	84.7	84.7 85.3	84.7
≥ 2000	18.1 18.1	39.0	51.6 51.8	62.2	72.0	78.9		35.3 86.2	85.5	86.4	86.4	66.4 87.2	86.5	86.5 87.4	86.5	86.5 87.4
≥ 1500	18.7	40.9	52.6 53.4	63.4	73.9 75.1	80.6 82.6	85.5	37.4 89.6	87.6	88.6 90.8	90.8	68.6 90.8	91.0	88.8	88.8	88 8 91 0
≥ 1000 ≥ 900	18.7	41.7	53.7	64.9	76.8	84.5	9 1	92.3	92.5	93.7	93.7	93.7	93.9	93.9	93.9	93.9
≥ 800 ≥ 700	18.7	41.9	54.3	65.4	77.5	85.9	9.3	95.4	95.2	96.4	96.4	98.0	96.6		96.6	96.6
≥ 600 ≥ 500	10.7	42.2	54.3	65.9	78.2	86.7	92.4	96.6	96.8	98.1	98.1 98.1	98.1	96.3	98.3	98.3 98.3	98.3
≥ 400	18.7 18.7	42.2	54.3	65.9 65.9	78.4 78.4	87.1	94.0	97.6	97.8 98.1	99.5	99.1 99.5	99.5	99.7	99.7	, - <b>,</b> , ,	-
≥ 200 ≥ 100 ≥ 0	18.7	42.2	54.3 54.3	65.9 65.9	76.4 73.4	87.1 87.1	94.0	98.0	98.1 98.1 98.1	99.5 99.5	99.5	99.5 99.5	99.7	99.7 99.7	99,8	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 101.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

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93744 MARTIN NAKIETTA AIRFIELD MO 70-78

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

Celling							VIS	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥2'7	≥2	≥1 1/2	≥1%	≥1	≥ 3,4	≥ %	≥ '7	≥ 5 16	≥ 14	≥0
NO CEILING ≥ 20000	18.3	36.3	43.9	52.7 55.7	57.3 60.6	5°.1	59.6 64.0	59.9 63.3	59.9 63.3	60.0	60.0	60.0 63.4	60.0	60.0 63.4	60.0	60.0
≥ 18000 ≥ 16000	19.9	38.8	46.6		60.4	62.2	63.0	63.3	53.3 63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 14000 ≥ 12000	20.2	39.0	46.9	56.0 57.7	61.0	62.7	63,6	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64,0	64.
≥ 10000 ≥ 9000	21.1	44.2	52.4	63.0	68.7	70.9	71.8	72.1	72.1	72.2	72.2	72.2	72.4	72.4 73.0	72.4	72 • 73 • 9
≥ 8000 ≥ 7000	21.7	46.1	55.0 56.0	65.7	71.4	73.6		75.2 76.6	75.2	75.3		75.3 76.7	75.5 76.8	75.5 75.8	75.5	75 • 76 •
≥ 6000 ≥ 5000	22.4	47.4			73.2			77.4	77.4	77.5	77.5 79.3	77.5	77.6		77,6	77.
≥ 4500 ≥ 4000	22.6	48.4		69.2	75.6	78.2	73,5	79.8	79.8			79.9		80.1 81.8	80,1	80.
≥ 3500 ≥ 3000	23.2	49.3			78.u	87.9 82.9	82.4	82.7	82.7	82.8		82.8	82.9		82.9	82.
≥ 2500 ≥ 2000	23.6	57.7	61.4	73.4	80.9			65.8 87.4	85.8	85.9 87.5		87.5	86.0		86,0	86.
≥ 1800 ≥ 1500	24.0	52.0	62.7	75.1	82.6	85.9 88.1			87.9 90.2		88.1	88.1	88.2			
≥ 1200 ≥ 1000	24.0	59.5		78.2		90.9	92.7	93.4	93.5	93.6	93.6	93.6	93.8		93.8	
≥ 90C ≥ 800	24.0	54.3	66.1	79.4	89.4	93.5	96.2 96.6		97.4	97.6 98.2		97.6		97.7	97,7	
≥ 700 ≥ 600	24.0	54.5	56.4	79.7	90.0	94.3			98.8	98.9		98.9		99.1	99.1	99.
≥ 500 ≥ 400	24.0	54.5	56.4	79.7 79.7	90.2	43.00		99.5	99.6	00	99.7	99.7	99.9	99.9	99,9	99.
≥ 300 ≥ 200	24.0	54.5	66.4	79.7	90.2		96.1	99.6	99.7	99.9	99.9	99.9	100.0	100.0		100.
≥ 100 ≥ 0	24.0	54.5	66.4					99.6	99.7	99.9	99.9	99.9	100.0	100.0	100,0	

TOTAL NUMBER OF OBSERVATIONS

73?

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

# CEILING VERSUS VISIBILITY

93744 MARTIN MAKIETTA AIRFIELD MD 70-76

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							٧IS	BILITY (ST	ATUTE MIL	ES)						
FEET	≥10	≥6	≥5	≥4	≥3	≥2¹₂	≥2	≥1'2	≥14	≥1	≥ 34	≥ %	≥ 17	≥5 16	≥ '.	≥0
NO CEILING ≥ 20000	24.0	40.2 44.2		51.2 56.0	56.6 61.6	57.6 62.6	5 % • 0	58.0	58.0 63.0	58.3 63.2	58.3	58.3	58.3	58.3	58.3	59.3 63.2
≥ 18000 ≥ 16000	26.2	44.4	51.0 51.0	56.2 56.2	61.7	62.7	63.1 63.1	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 14000 ≥ 12000	27.0 27.3	45.9		57.7 59.6	63.2	ύ4•2 66•9	64.6	54.6	64.6	64.9	64.9 67.5	64.9	64.9	64.9	64,9	64.9
≥ 10000 ≥ 9000	28.8 28.8	57.1 52.4	59.4 59.6	65.6	71.2	73.0	79.5 73.8	73.6 73.9	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 8000 ≥ /000	29.1	53.7 54.5	61.U	67.4 68.8	73.9	75.2 76.7	76.0 77.5	76.1 77.7	76 • 1 77 • 7	76.4 77.9	76.4 77.9	76.4 77.9	76.4 77.9	76.4	76.4	76.4
≥ 6000 ≥ 5000	29.5 29.6	54.5 56.6	62.7	69.6	76.4	77.8 81.6	78.6 82.4	78.8 62.5	78 · 8	79.1 82.8	79 • 1 82 • 8	79.1 82.8	79.1 82.8	79.1	79,	79.1
≥ 4500 ≥ 4000	30.4 30.5	57.4 59.4	66.4	74.5 76.4	81.4 83.8	85.2	35.6 86.0	ს3.8 ლ <b>6.1</b>	83.8 86.1	84.0 86.4	84.U 86.4	84.0	84.0	84.0 85.4	84.0	84.0 86.4
≥ 3500 ≥ 3000	30.7 31.5	59.1 60.2	56.2 69.3	77.1 79.1	84.7	85.1 38.3	97.1 99.5	87.2 69.7	87.2 89.7	87.5 90.0	87.5 90.0	87.5 90.0	97.5	87.5 90.0	87.5 90.0	87.5
≥ 2500 ≥ 2000	32.0 32.0	60.7 51.0	69.9 70.3	79.8 80.5	88.1	99.5	91.0	91.3	91.3	91.5 93.2	91.5 93.2	91.5	91.5 93.2	91.5	91.5	91.5
≥ 1800 ≥ 1500	32.2 32.2	61.6	70.9	61.4	90.2 91.6	92.0	93.5	93.9	93.9	94.2 96.4	94.2	94.2	94.2	94.2	94,2	94.2
≥ 1200 ≥ 1000	32.5 32.5	62.7	72.4	84.0	93.9	96.0	97.9	98.3	98.5	98.8	98.8 99.3	98.8	99.3	98.8 99.3	98,8	98.8
≥ 900 ≥ 800	32.5 32.5	62.7 52.7	72.4	64.2 84.2	94.0	95.3	9: .2	98.9	99.0	99.3	99.3	99.3	99.3	99.3	99,3	99.3 99.6
≥ 700 ≥ 600	32.5 32.5	52.7 62.7	72.4	84.2	94.0	96.4	90.6	99.0	99.2	99.6	99.6	99.6	99.6 99.9	99.6	99,6	39.6
≥ 500 ≥ 400	32.5	02.7	72.5	84.3	94.5	96.8 96.8	91.8 94.8	99.4	99.6	00.0	100.0	100.0	100.0	100.0		0.00
≥ 300 ≥ 200	32.5 32.5	62.7	72.5	64.3	94.5	96.8 96.8	9:8	99.4	99.6	100.0	100.0	100.0	100.0	lon-o	100,0	100.0
≥ 100 ≥ 0	32.5 32.5	62.7	72.5 72.5	84.3	94.5	96.8 96.8	98	99.4							100.0	

TOTAL NUMBER OF OBSERVATIONS

721

1.3

USAF ETAC 100.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# **CEILING VERSUS VISIBILITY**

93744 MARTIN MAKIETTA AIRFIELD MD 70-73 YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VI\$	BILITY (STA	TUTE MILE	S)						
(FEET)	≥10	≥6	≥ 5	≥4	≥3	≥215	≥2	≥1'2	214	≥1	≥ ¹4	≥ 3/8	≥ %	≥5 16	≥ 14	≥0
NO CEILING ≥ 20000	20.6 28.8	43.0 47.4	50.5 55.9	54.7 60.7	57.5 64.3	58 • 1 64 • 6	54.6	58.1 64.6	56.1 64.6	59.1 64.6	56.1 64.6	58 • 1 64 • 6	56.1 64.6	59.1 64.6	58,1 64,6	58 · 1 64 · 6
≥ 18000 ≥ 16000	28.8 28.8	4° . 1	56.7 56.7	61.5 61.7	65.1	65.6	65.4 65.6	65.4 65.6	65.4	65.4	65.4	65.4	65.4 65.6	65.4	65.4	65.4
≥ 14000 ≥ 12000	29.4 30.4	50.5 53.0	59.2 61.7	64.2	70.7	63.2	60.2 71.2	68.2 71.2	68.2	68.2	68.2 71.2	68.2	68.2 71.2	68.2 71.2	68.2	68.2
≥ 10000 ≥ 9000	31.3	55.9 56.1	65.0 65.1	70.9	75.1 75.7	75.7 76.3	75.7	75.7	75.7 76.3	75.7 76.3	75.7	75.7	75.7 76.3	75.7 76.3	75,7	75.7
≥ 8000 ≥ 7000	31.5	56.4 57.6	65.4 56.8	72.3	76.9 78.3	77.7 79.3	77.7 70.3	77.7	77.7	77.7 79.3	77.7 79.3	77.7	77.7	77.7 79.3	77.7	77.7
≥ 6000 ≥ 5000	֝֝֝֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	57.8 59.7	67.4	75.1 78.0	80.1	61.0 84.1	P1.0	o1.3	81.3	81.3	81.3	51.3 84.6	91.3 84.6	81.3 84.6	81,3	81.3
≥ 4500 ≥ 4000	33.3	61.1	71.7	79.4 82.2	84.6	84.5	P5.5	89.4	86.0	85.0	86.0	86.0	86.0	86.0 89.4	86.0	86.0
≥ 3500 ≥ 3000	34.6	65.9	75.2 78.0	83.5	88.8	90.8 94.1	9 8	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91,3	91.3
≥ 2500 ≥ 2000	35.7 35.7	06.4	78.5 78.7	87.2	93.0	95.0 95.1	95.2	96.0	96.0	96.0	96.0	96.0	96.0	96.0 97.5	96.0	96.0
≥ 1800 ≥ 1500	35.7 35.7	64.5	78.7	88.2	94.1	96.3	95.7	97.7	97.7	97.7 98.0	97.7 98.0	97.7	97.7	97.7 98.0	97,7	97.7
≥ 1200 ≥ 1000	35.7 35.7	66.7	78.5	88.5	94.5	96.7	97.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900 ≥ 800	35.7 35.7	66.7	79.0 79.3	88.8	95.0	97.5 97.5	9. 1	99.1	99.1	99.1	99.1	99.1	99.4	99.1	99.4	99.1
≥ 700 ≥ 600	35.7	66.7	79.0	88.6 88.6	95.0	97.7	96	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500 ≥ 400	35.7	66.7	79.0	88.8	95.0	97.7	96		99.8	99.8	99.0	99.8	99.6	99.8	99.8	99.8
≥ 300 ≥ 200	35.7	66.7	79.0	88.8	95.0	97.7	9 .6	99.7	99.8	99.8	99.8	90.8	99.6		99.8	99.1
≥ 100 ≥ 0	35.7	66.7	79.0	88.8	95.0	97.7	9:06	99.7	99.8	99.8	99.8	99.8	99.6	99.8	99,8 100.0	99.8

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

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93744 MARTIN MARIETIA AIRFIELD MD 70-7E

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	BILITY (STA	TUTE MILI	ES)						
FEET	≥10	≥6	≥5	≥4	≥ 3	≥2%	≥2	≥1'2	≥1¼	≥1	≥ 4	≥ ⅓	≥ 1/2	≥ 5 16	≥ .	≥0
NO CEILING ≥ 20000	29.5	44.7	49.5 54.3	54.7 59.7	56.3 61.7	56.8	56.8 52.2	56.8 62.2	56.8 62.2	56.8 62.2	56.8 62.2	56.8 62.2	56.8 62.2	56.8 62.2	56,8 62.2	56 • 8 62 • 2
≥ 18000 ≥ 16000	32.0	49.5 49.5	55.1 55.1	60.5 60.5	62.8	53.4 u3.4	63.4 63.4	63.4	63.4	63.4	63.4	63.4 63.4	63.4	63.4	63.4	63.4
≥ 14000 ≥ 12000	33.7	52.4 55.1	58.4 61.5	64.0	69.6	67.1 70.1	67.1 71	67.1 70.1	67.1 70.1	67.1 70.1	67.1 70.1	67.1 70.1	67.1 70.1	67.1 70.1	67,1 70,1	67.1 70.1
≥ 10000 ≥ 9000	35.6	59.0 59.2	65.7	72.4	75.6 75.5	75.9 76.5	76.1 76.7	76.1 76.7	76.1 76.7	76.3 76.9	76.3 76.9	76.3 76.9	76.3 76.9	76.3 76.9	76,3 76,9	76.3 76.9
≥ 8000 ≥ 7000	36.6 37.2	62.0		75.1 76.3	77.6	78.6 80.0	74.8 84.3	78.8	78.8	79.0 80.5	79.0 80.5	79.0 80.5	79.0	79.0 80.5	79,0 80,5	79.0 80.5
≥ 6000 ≥ 5000	37.4 38.0	67.4	69.9 71.7	77.3		81.5 84.8	81.9 85.2	d1.9	81.9	82.1 85.4	92.1	82 • 1 85 • 4	82.1 85.4	82.1	82.1 85.4	82.1 85.4
≥ 4500 ≥ 4000 ≥ 3500	38.2	65.1	71.9	83.6	88.4	90.0	9.5.4	90.6	90.6	90.8	85.5 90.4	85.5 90.8	90.8	90.8 91.3	95.5 90.8	85.5 90.8
≥ 3500 ≥ 3000 ≥ 2500	38.7 38.7	65.7	75.5 75.9	H5.0	90.9	90.6	99 92.9	91.1	91.1 93.1	91.3 93.3 94.2	91.3	91.3 93.3	91.3 93.3 94.2	93.3	91.3 93.3 94.2	91.3 93.3 94.2
≥ 2000 ≥ 1800	38.9 39.1 39.1	67.2		87.1	91.9 93.4 93.4	93.4	93.8	96.1	94.0 96.1 96.1	96.3	94.2	96.3 96.3	94.2 96.3 95.3	95.3	96.3 96.3	96.3 96.3
≥ 1500	39.1	67.6 67.8 67.8	77.5 77.6 77.6	87.5	9400	95.8 95.8	90.0 96.7 90.7	96.9 96.9	96.9	97.1	96.3 97.1 97.1	97.1 97.1	97.1	97.1 97.1	97.1 97.1	97.1
≥ 1000	39.1	67.8	77.6	87.7	94.4	96.3	97 <b>.5</b>	98.1	98.1 98.1	98.5 98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	39.1	6° 0	77.5	67.9	94.0	96.7	9.1		98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600 ≥ 500	39.1	68.0	77.0	87.9	95.0	97.1 97.1	95	99.0	99.0	99.6	99.6	99.8		99.6	99.6	99.5
≥ 400	39.1	68.0	1	87.9	95.0	97.1 97.1	9: 5	99.2	99.4	100.0		100.0	100.0	100.0	100,0	100.0 100.0
≥ 100	39.1 39.1	68.0	77.8			97.1 97.1	98.5			100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0
≥ 0	39.1	69.0	77.0	87.9	95.0	97.1	90.5	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

519

USAF ETAC 101 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# **CEILING VERSUS VISIBILITY**

93744 MARTIN MARIETTA AIRFIELD MD 71-70

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## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING		<del></del>					YISI	BILITY (STA	TUTE MILE	ES:						
FEET	≥10	≥6	≥5	≥4	≥ 3	≥21⁄2	≥ 2	≥1'2	≥114	≥1	≥ 14	≥ 3/8	≥ 1/2	≥5 16	≥ '₄	≥0
NO CEILING ≥ 20000	37.5	46.4	52.1 56.6	57.7 62.2	59.6	54.A	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.5
≥ 18000 ≥ 16000	39.3 39.3	49.8	56.0	62.2	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	54.0	64.0	64.0	64.0 54.0
≥ 14000 ≥ 12000	40.8	51.7 52.8	59.2 60.3	64.8 66.3	66.7	56.7 58.2	50.7	66.7	66.7 58.2	66.7 68.2	66.7	66.7	66.7 68.2	66.7 68.2	66.7	66.7 68.2
≥ 10000 ≥ 9000	44.2	59.1 59.1	65.9 65.9	72.7	74.5	74.5	74.5	74.5	74.5	74.5	74.5 74.5	74.5	74.5 74.5	74.5	74.5	74.5
≥ 8000 ≥ 7000	45.7	60.3 60.3	68.9 68.9	75.7 75.7	77.5	77.5	77.5	77.5	77.5 77.5	77.5	77.5 77.5	77.5 77.5	77.5	77.5	77,5 77,5	77.5 77.5
≥ 6000 ≥ 5000	46.8	62.9	70.8	77.5 81.3	80.1	87.1 83.9	86.1	83.9	80.1	80.1	80.1	80.1	80.1 83.9	80 • 1 83 • 9	90.1 83.9	80.1
≥ 4500 ≥ 4000	46.8	62.9	73.4	64.6	83.9	87.3	92.9 87.3	83.9	83.9	83.9	83.9	83.9	P3.9	87.3	83,9 87,3	83.9
≥ 3500 ≥ 3000	46.8	67.6	77.9 80.5	86.1 88.8	91.8	88.8 91.8	91.8	89.8	91.8	91.8	88.8	88.A	91.6	88.8 91.8	88,8 91.8	88.5 91.8
≥ 2500 ≥ 2000	47.6	69.7	82.4	90.6 91.8	93.6 95.1	93.6 95.1	93.6	93.6	93.6	93.6	93.6 95.1	93.6	93.6 95.1	93.6 95.1	93,6	93.6
≥ 1800 ≥ 1500 ≥ 1200	47.9 47.9	69.7	83.5	91.8	95.1 97.0	95.1 97.0	95.1	97.6	95 • 1 97 • 4	95.1 97.8	95.1 97.8	95.1	95.1 98.1	95 • 1 98 • 1	95,1 98,1	95•1 98•1
≥ 1000 ≥ 900	47.9 47.9	69.7	84.3	92.5	97.4	97.0	97.4	97.6	97.8	97.6	97.6	93.1	98.1 98.5	98 • 1 98 • 5	98,1 98,5	98.1 98.5
≥ 800 ≥ 700	47.9 47.9	69.7	84.6 84.6	92.9	97.6	97.8	97.8	98.1	98.1 98.1	98.5 98.5	98.5 98.5	98.5	98.9 98.9	98.9	98,9 98,9	98.9
≥ 600 ≥ 500	47.9 47.9	69.7	84.6 85.0	92.9 93.3	97.8 98.5	97.5 98.5	97.8	98.9 98.9	98.9	99.3	99.3	98.5	99.6	98.9 99.6	99.4	99.6
≥ 400	47.9 47.9	69.7	85.0	93.3	98.5	98.5	9, 5	98.9 98.9	99.3 99.3	99.6	99.6	99.6	100.0 100.0	100.0	***	
≥ 200 ≥ 100	47.9	69.7	85.J	93.3	98.5	98.5	9, 5	98.9	99.3 99.3	99.6	99.6 99.6	99.6	100.0	100.0	100.0	100.0
≥ 0	47.9	69.7	85.0	93.3	98.5	98.5	95	98.9	99.3	99.6	99.6	99.6	100.0	100.0		100.0

TOTAL NUMBER OF OBSERVATIONS

267

USAF ETAC JULIA 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

93746 MARTIN MARIETTA AIRFIELD MD 70-78

-7: YEARS

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS IS

CEILING							VISI	BILITY (ST	ATUTE MILI	E\$)						
FEET	≥10	≥6	≥ 5	≥4	≥3	≥21/2	≥ 2	≥1½	≥11/4	≥1	≥ 3,4	≥ 5/8	≥ 1/2	≥5 16	≥ '4	≥0
NO CEILING ≥ 20000	23.5	39.2 42.5	45.8 49.7	51.8 53.0	55.6 60.2	57.3 61.8	50.0 62.6	58 <b>.1</b>	58.1 62.8	58.3 63.0	58.3 63.0	58.3 63.0	58.3 63.0	58.3 63.0	58,3 63.0	58.3 63.0
≥ 18000 ≥ 16000	25.4	42.8	50.1 50.1	56.4 56.4	60.7	62.2	63.0	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 14000 ≥ 12000	26.1	44.3	51.7 53.8	58.1 60.4	62.5	64.1	57.5	55.1 67.8	67.8	65.3	65.3	65.3	68.0	65.3	65.3	65.3 68.0
≥ 10000 ≥ 9000	27.8	49.7	57.9 58.5	65.4 65.8	70.5	72.9	75.3	73.6	73.6	73.8	73.8	73.8	73.9	73.9	73,9	73.9
≥ 8000 ≥ 7000	28.3	51.3 52.2	59.8 61.0	67.7 68.8	72.5	74.9 76.3	70.1	76.4	76.4 77.8	76.6 78.0	76.6 78.0	76.6	76.7	76.7 78.0	76.7	76.7 78.0
≥ 6000 ≥ 5000	29.0	52.5 53.7	61.6	69.7	75.4	77.5 80.4	7:.8	79.1 82.1	79.2 82.1	79.4 82.3	79.4	82.3	79.4	79.4	79,4	79.4 82.3
≥ 4500 ≥ 4000	29.5	54,3 55.5	64.1 65.8	72.9 75.1	78.9	81.1 84.0	92.3	62.7	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3500 ≥ 3000	30.1 30.4	54.2 57.1	67.9	76.1 77.7	82.0	85.1	86.4 86.7	86.8	86.9	87.1 89.6	87.1	87.1 89.6	87.1	87.1 89.6	87.1	87.1
≥ 2500 ≥ 2000	30,8	57.7 58.1	69.1	78.4	85.7	88.3 89.6	91.3	90.4	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1800 ≥ 1500	31.0	59.4	70.0	80.5	88.6	90.1	91.8	93.9	92.5	92.8	92.8	92.4	92.6	92.8	92,8	92.8
≥ 1200 ≥ 1000 ≥ 900	31.1	59.1 59.4	70.5 70.6	81.4 81.9	90.5	92.8	90.1	95.5	95.6	95.9 97.6	95.9	95.9	96.0	96.0	96,0	96.0
≥ 800	31.1	59.4 59.5	70.9	82.0 62.1	90.7 90.9	94.4	96.4	97.5	97.6	97.9 98.6 99.1	97.9	97.9	96.0	98.0	98.0	98.0
≥ 700 ≥ 600 ≥ 500	31.1 31.1	59.6 59.6	71.1	82.2 82.3	91.3	94.7 95.1 95.1	97.6	98.9	98.6 99.0	99.4	99.4	99.1 99.4	99.1 99.5 99.6	99.1	99.5	99.5
≥ 400 ≥ 300	31.1 31.1	59.6	71.1	82.3	91.3 91.3	95.1 95.1	97.6 97.7 97.7	98.9 99.1 99.2	99.3	99.8	99.5 99.6	99.8	99.9	99.9	99.9	99.9
≥ 200 ≥ 100	31.1	59.6	71.1	82.3	91.3	95.1 95.1	97.7	99.2	99.4	99.8	99.8	99.8 99.8	99.9	99.9	99.9	100.0
≥ 0	31.1	59,5	71.1	82.3	91.5	95.1	97.7	99.2	99.4	99.8	99.6	99.8	99.4	99.9		00.0

TOTAL NUMBER OF OBSERVATIONS

3478

USAF ETAC JUL 64 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

93744 MARTIN MARIETTA AIRFIELD MD 70-78

SEP

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600=0800

CEILING							VIS	BILITY (STA	TUTE MILI	ES)						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2'2	≥2	≥1%	≥1'₄	≥1	≥ 14	≥51	≥ '5	≥ 5 16	٤.	≥0
NO CEILING ≥ 20000	15.2	27.5	32.8	35.5 38.9	43.5	44.7	46.0	47.6	47.8	48.1 52.8	48.3 52.9	48.3 52.9	48.3	48.3 52.9	48,3 52,9	48.3
≥ 18000 ≥ 16000	16.0 16.0	29.6	35.8 35.8	38.9 38.9	47.1	49.0	4منت	52.0 52.0	52.2 52.2	52.8 52.8	52.9 52.9	52.9 52.9	52.9 52.9	52.9 52.9	52.9 52.9	52.9
≥ 14000 ≥ 12000	16.2	30.1	36.4 37.5	39.5 41.4	47.8	49.7 51.9	51.2 54.0	52.8 55.6	52.9 55.8	53.5 56.3	53.7 56.5	53.7 56.5	53.7 56.5	53.7 56.5	53,7 56,5	56.5
≥ 10000 ≥ 9000	18.0	33.2	40.5	44.4	53.5 54.0	55.6 -56.1	38.3	59.9	59.5	60.1	60.2 60.6	60.8	60.2	60.2 60.8	60.2	60.2
≥ 8000 ≥ 7000	19.1	35.5 36.0	42.8	47.6 48.1	57.4 57.9	59.5 60.1	62.4	64.3	63.5	65.2	65.4	65.4	65.4	65.4	65,4	64.2
≥ 6000 ≥ 5000	20.1	36.9	44.6	49.7	59.5 63.1	61.7 65.4	64.0	70.2	70.4	71.1	67.0	67.0 71.3	71.3	67.0	71.5	67.0 71.5
≥ 4500 ≥ 4000	21.4	39.2 40.8	47.4	53.8	66.0	66.5	71.5	73.4	71.5 - <u>73.6</u>	72.2	72.4	72.4	72.4	74.7	74.7	72.5
2 3500 2 3000	22.6	42.2	50.4 52.2	57.0 59.0	69.5	70.2	7.04	73.2	75.4 77.5	76.1 78.3	76.3	76.3 78.4	76.3 78.4	78.6	76,5 78,6 81.6	76.5 78.6 81.6
≥ 2500 ≥ 2000	24.1	46.3	55.3	61.7	72.4	75.7 76.8	7:.4	32.5	80.6	81.3	83.6	81.5 83.6	81.5	81.6 83.6 53.8	83.8	83.8
≥ 1800 ≥ 1500	24.4	46.3	56.9	64.5	701	75.2 79.3	3.8	15.2	82.7 85.4 87.9	83.4 86.1 88.6	83.6 86.3	83.6 86.3 88.8	83.6 86.3 88.8	86.5	86.5	86.5
≥ 1200 ≥ 1000 ≥ 900	25.3 25.3	49.4	59.0	67.2	78.3	81.5 82.4 83.4	85.0 86.6 87.9	58.9	89.1	90.0	1 4 7 11	90.2	90.2	91.4	90.4 91.4	90.4
≥ 800	25,5	49.7	59.4 59.7 59.9	67.6 67.9	80.9 81.5	85.6	90.0	92.2	92.3	93.2	93.4	93.4	93.4	93.6	93.6	93.6
≥ 700 ≥ 600 ≥ 500	25.5 25.5 25.5	49.9 49.9 50.1	59.9		81.6	86.6	9 <sub>1.8</sub> 9 <sub>2.5</sub>	94.3	94.5	95.5	95.7 96.6	95.7	95.7	95.9	95.9 97.1	95.9 97.1
≥ 400 ≥ 300	25.5 25.5	50.1 50.1	60.1	68.4	82.2	87.3 87.3	95.0	95.7	95.9 96.3		97.5	98.4	98.0		98.2	98.2
≥ 200 ≥ 100	25.5 25.5	50al	60.1	68.4	82.2	87.3	93.2	96.1 96.1	96.3	97.3 97.3	97.9	98.4	98.6	99.1	99.1	99.6
≥ 0	25.5	50.1	60.1	68.4	82.2	87.3	2 . 2	96.1	96.3	97.3	98.0	98.6	98.8	99.3		100.0

TOTAL NUMBER OF OBSERVATIONS

561

USAF ETAC FORM 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FOR MARE OBSOLETE

# CEILING VERSUS VISIBILITY

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93766 MARTIN MARIETTA AIRFIELD MD 70-78

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							VISI	BILITY (ST	ATUTE MILE	ES1						
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥21/2	≥ 2	≥1 1⁄2	≥1′4	≥1	≥ '•	≥ 5/8	≥ 1⁄2	≥ 5 16	≥ '4	≥0
NO CEILING ≥ 20000	19.8	35.2	39.4	42.2	46.9	48.9 53.1	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49,4	49.
≥ 18000 ≥ 14000	20.6	38.6	42.9	46.0	51.0	53.2	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54,0	54.
≥ 14000 ≥ 12000	20.8	38.7 40.3	43,1	46.3	51.3	53.5	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2 57.1		54.
≥ 10000 ≥ 9000	21.9	43.1	48.6	53.1 53.5	58.9 59.3	61.3	42.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.
≥ 8000 ≥ 7000	22.5	47.5	51.1 53.2	56.1 58.5	62.3	67.1	65.7	66.0	66.0	66.0	66.0 68.4	66.0	66.0 68.4	66.0	66,0	66.
≥ 6000 ≥ 5000	23.9	47.9	53.8	59.2	65.5	67.9	69.9 72.3	69.2	69.2 72.6	69.2 72.7	69.2	69.2 72.7	69.2 72.7	69.2 72.7	69,2 72.7	69.
≥ 4500 ≥ 4000	24.7	50.3 51.3	56.5	62.9 63.8	70.6	72.5	73.6	73.9	73.9	74.0 75.1	74.0	74.0 75.1	74.0	74.0	74,0	74 • 75 •
≥ 3500 ≥ 3000	26.3	52.7 55.9	59.5	66.0 70.1	72.9	75.7 80.1	77.0	77.3	77.3	77.4	77.4	77.4 81.9	77.4	77.4	77.4	77.4
≥ 2500 ≥ 2000	29.1 30.2	56.6 58.8	64.0	71.2	78.7 81.5	81.5	83.2 86.0	83.5	83.5	83.6	83.6	83.4	83.6 86.4	83.6	83.6	86.
≥ 1800 ≥ 1500	30.4	59.3 60.2	66.9 68.1	74.6	84.5	85.2	86.0	89.8	86.9	87.0 90.0	87.0 90.0	90.0	87.0 90.0	87.0 90.0	87.0 90.0	87 ·
≥ 1200 ≥ 1000	31.4	61.2	69.5 70.6	77.3	86.0	91.8	93.2	91.4	91.4 93.8	91.5	91.5	91.9	91.5	91.5	91.5	91.
≥ 900 ≥ 800	31,5	62.5	71.0 71.5	79.7 40.1	89.0	92.8	94.6	94.9	94.9	95.1	95.1 96.5	95.1	95.1 96.5	95.1	95,1	95.
≥ 700 ≥ 600 ≥ 500	31.6	62.7	71.5	80.1	90.d	94.2	96.5	97.q	97.2 97.7	97.5	97.5	97.9	97.5 98.2	97.5	97.5	97. 98.
≥ 500 ≥ 400 ≥ 300	31.6	62.7	71.8	80.4	90.3	95.3	97.7	98.4	98.7	99.6	99.3	99.3	99.7	99.3	99,3	99.
≥ 200	31.6	62.7	71.8	80.4 80.4	90.3	95.3	97.7	98.4	98.9	99.9	99.6		99.7	99.7 100.0	<del></del>	
≥ 00	31.6	62.7 62.7	71.8	80.4 80.4	90.3	95.3	97.7 97.7	98.7	99.2	99.9	99.9	99.9		100 d	100,0	100. 100.

TOTAL NUMBER OF OBSERVATIONS

70°

USAF ETAC 101.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

93744 MARTIN MARIETTA AIRFIELD MD 70-78

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VISI	BILITY (STA	TUTE MILE	51						
FEET	≥10	≥6	≥5	≥4	≥ 3	≥21⁄2	≥ 2	≥1½	≥1%	≥1	≥ 3,4	≥ 5/6	≥ 77	≥ 5 16	≥ '4	≥0
NO CEILING ≥ 20000	25.7	41.9	44.8	48.5 54.5	50.2 50.1	50.2 56.1	50.4 50.2	50.4 56.2	50.4 56.2	50.4 56.2	50.4 56.2	50.4 56.2	50.4 56.2	50.4 56.2	50,4 56,2	50.4 56.2
≥ 18000 ≥ 16000	28.3	46.9	50.5 50.5	54.5 54.5	56.1 56.1	56.1 56.1	56,2 56,2	56.2 56.2	56.2 56.2	56.2 56.2	56.2 56.2	56.2 56.2	56.2 56.2	56.2 56.2	56.2 56.2	56.2 56.2
≥ 14000 ≥ 12000	28.3	46.9 48.1	50.5 51.6	54.5 55.7	56.1	56.1 58.0	56.2 56.1	56.2 58.2	56.2 58.2	56.2 58.2	56.2 58.2	56.2 58.2	56.2 58.2	56.2 58.2	56,2 58,2	56•2 58•2
≥ 10000 ≥ 9000	31.1	51.2 51.8	35.4 56.0	59.4 60.0	52.6	61.8	62.0 52.7	62.1 62.8	62.1	62.8	52.1 62.8	62.8	62.1	62.1 62.8	62,1	62 • 1 62 • 8
≥ 8000 ≥ 7000	32.1 33.1	54.5 56.5	58.8	63.6	66.1	66.1 68.6	66.3	66.4	65.4	66.4	66.4	66.4	66.4	66.4	68.9	68.9
≥ 6000 ≥ 5000	34.0 35.0	57.5 59.5	62.1	70.3	73.2	69.9 73.5	70.0 73.7	70.2 73.9	70.2	70.2	70.2 73.9	70.2 73.9	70.2 73.9	70.2 73.9	70,2 73,9	70.2
≥ 4500 ≥ 4000	35.6	67.5	66.0	71.4	74.3	74.7 77.0	75.0 77.3	75.2 77.5	75.2 77.5	75.2 77.5	75.2 77.5	75.2	75.2 77.5	75.2	75,2 77,5	75•2 77•5
≥ 3500 ≥ 30×0	38.0	67.7	70.7	76.9 80.9	79.8	80.3	80,6 84.9	60.8 85.1	80.8	80.8	30.8 85.1	80.8 85.1	80.8	80.8 85.1	80,8 85,1	80 • P 85 • 1
≥ 2500 ≥ 2000	40.0	69.3 70.7	75.9	82.9	86.4	86.9	87.2	87.5 90.1	90.1	90.1	87.5 90.1	87.5 90.1	87.5 90.1	87.5 90.1	87,5 90,1	90-1
≥ 1800 ≥ 1500 ≥ 1200	41.0	71.2	78.0 79.9		92.5	90.2	9.45	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90,8	90.8
≥ 1000 ≥ 900	41.9	73.5 73.9	81.2 81.9	90.4	94.3	94.8	96.6	95.6	95.6	95.6	95.6	97.1	95.6 97.1 97.3	97.1	95,6 97,1 97.3	95.6 97.1
≥ 700 ≥ 700	41.9 41.9	73.9 73.9 73.9	81.9 81.9	90.4 90.5 91.0	95.6 96.6 96.4	96.4 96.6 97.3	97.0	97.8 97.8	97.3 97.8	97.8 97.8	97.3 97.8 98.6	97.8 97.8	97.8	97.8	97.8	97.3 97.8 98.6
≥ 600	41.9	73.9	82.2	91.1	96.6	97.6	98.0 98.3 98.9	99.4	98.9	98.9	98.9	98.9	96.6 98.9 99.6	98.9		
≥ 400	41.9	73.9	82.2	91.1	96.7	98.4	99.1 99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0
≥ 200	41.9	73.9	82.2	91.1	96.7	98.4	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
> 0	41.9	73.9		91.1	96.7	98.4		99.7	99.7	100.0		100.0			100.0	

TOTAL NUMBER OF OBSERVATIONS

697

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

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93744 MARTIN MARIETTA AIRFIELD MO

70-78

SEP

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VISI	BILITY (STA	TUTE MILE	S)						
(FEET)	≥10	≥6	≥5	≥ 4	≥ 3	≥2'2	⊇ 2	≥1%	214	≥1	≥ 34	≥ 1/4	≥ '%	≥ 5 16	≥'4	≥0
NO CEILING ≥ 20000	34.2	51.9 57.5	53.9	56.6 63.3	57.6	57.6 64.2	57.6 54.2	57.6	57.6 64.2	57.6 64.2	57.6 64.2	57.6	57.6 64.2	57.6 64.2	57,0 64.2	57.6
≥ 18000 ≥ 16000	37.9	57.6 57.6	60.6	63.5	64.3	64.3	64.3	54.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000 ≥ 12000	38.0 38.4	57.8 58.6	61.0	64.0	64.8	64.8	64.8 66.3	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 10000 ≥ 9000	39.2	60.8	64.2	68.2	69.7	69.7 70.4	45.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7 70.4	69.7	69.7 70.4
≥ 8000 ≥ 7000	39.9	64.2	67.7	72.2	73.7	7.00	74.2	74.2	74.2	74.2	74.2 76.7	74.2	74.2	74.2 76.7	74,2	74.2
≥ 6090 ≥ 5000	41.7	66.8	71.6	75.4	77.6	77.9 81.9	70.1 82.1	78.1 82.1	78.1 82.1	78.4	78.4	78.4 82.4	78.4	78.4 82.4	78,4 82.4	78.4
≥ 4500 ≥ 4000	43.2	09.7	75.4	80.7	82.6	82.9	83.1 86.3	83.1	83.1	83.4 86.6	83.4	83.4	86.6	83.4	83.4	83.4
≥ 3500 ≥ 3000	45.4	72.5	79.1	85.8	90.5	88.1 90.8	88.3	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6 91.3
≥ 2500 ≥ 2000	46,4	75.9	82.7	89.4 91.8	91.6	92.0	92.1	92.1	92.1	92.5	92.6	92.6	92.6	92.6	92,6	92.6
≥ 1800 ≥ 1500	46.9	77.4	84.6	91.8	94.1	94.5	94.6	94.6	94.6	95.0	95.1	95.1	95.1	95.1	95,1 95,8	95.8
≥ 1200 ≥ 1000	47.1 47.1	78.6	55.1	93.6	96.0	96.3	96.5	96.5	96.5	96.8	97.0	97.0	97.0 98.0	98.0	97,0	97.0
≥ 900 ≥ 800	47.1	78.6	86.9	94.6	97.0	97.3	97.5	97.5	97.5	98.2	98.3	98.3	98.3 98.7	98.3 98.7	98,3	98.3
≥ 700 ≥ 600	47.1 47.1	78.6 78.6	87.2	95.1 95.1	97.7	98.3	90,7	98.7	98.7	99.3	99.5	99.5	99.5	99.5	99.7	99.5
≥ 500 ≥ 400	47,1 47,1	78.6 78.6	87.3	95.1 95.1	97.8 97.8	98.5	98,8 98,8	99.0	99.0	99.7	99.8	99.8 99.8	99.8 99.8	99.8	99,8	99.8
≥ 300 ≥ 200	47.1 47.1	78.6 78.6	87.2 87.2	95.1 95.1	97.8 97.8	98.5	98,8	99.0	99.0	99.7			99.8 100.0	100.0		99.0
≥ 100 ≥ 0	47.1 47.1	78.6 78.6	87 <b>,3</b>	95.1 95.1	97.8 97.8	98.5 98.5	98.8	99.0	99.d	99.8	100.0	100.0 100.0		100.0 100.0	100,0 100.0	. • •

TOTAL NUMBER OF OBSERVATIONS

597

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

93744 MARTIN MARIETTA AIRFIELD MD 70-76

SEP

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CELING							VIS	BILITY (STA	ATUTE MILI	ES:						
FEET	≥10	:6	≥ 5	≥ 4	≥ 3	≥2'2	≥ ?	≥112	≥114	≥1	≥ 34	≥ ¾	≥ 1⁄2	≥5 16	≥ '₁	≥0
NO CEILING ≥ 20000	40,6	56.9	62.2	69.8	69.8	64.1 69.8	64,1 69,8	64.1	64.1	64.1	64.1 59.8	64.1	64.1	64.1	64,1	64.1
≥ 18000 ≥ 16000	43,3	62.7	68.4	71.0	71.2 71.4	71.2	71.2	71.2	71.2	71.2	71.2 71.6	71.2	71.2	71.2	71,2	71.2
≥ 14000 ≥ 12000	43.7	63.3	69.0 70.2	71.8	72.0	72.0 73.1	72.0	72.0 73.1	72.0 73.1	72.0 73.1	72.0 73.1	72.0 73.1	72.0 73.1	72.0	72,0 73,1	72.0
≥ 10000 ≥ 9000	45.7	66.3	72.0	74.9	75.3	75.3 76.9	75.3	75.3	75.3	75.3	75.3 76.9	75.3 76.9	75.3 76.9	75.3 76.9	75.3 76.9	75•3 76•9
≥ 8000 ≥ 7000	47.1	70.2	75.3	79.2	79.8	80.0 81.4	80.0 81.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80,0	80.0
≥ 6000 > 5000	48.0	71.0 73.5	77.1 80.2	81.6 64.7	82.4 85.9	82.5	R2.5	82.5 35.3	82.5 <u>86.3</u>	82.7	82.7	82.7 86.7	82.7 86.7	82.7 86.7	82,7 86,7	82 • 1 85 • 1
≥ 4500 ≥ 4000	49.6	74.3 76.3	81.4	85.9	87.5	90.0	90.0	87.8 90.2	87.8	90.6	88.2 90.6	88.2 90.6	90.6	90.6	90.6	90.0
≥ 3500 ≥ 3000	51.0 51.6	74.2	85.5	90.0	92.0	92.2	92.2	92.4	92.4 93.1	92.7	92.7	92.7	92.7	92.7	92.7	92.
≥ 2500 ≥ 2000	51.8	80.2	87.6	92.4	94.3	94.5	94.5	95.7	94.7 95.1	95.1	95.1 95.5	95.1	95.1 95.5	95.1 95.5	95,1	95.
≥ 1800 ≥ 1500	51.8	80.4	88.0	92.7	94.7	95.1 95.7	95,1 95.7	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95,7	95.
≥ 1200 ≥ 1000	51.8 51.8	81.2	39.2	93.5	95.5	95.9	95.9	96.1	96.1	96.5	96.5	96.5	96.5	96.5 97.3	96,5	96.
≥ 900 ≥ 800	51.8	81.6	89.4	95.1	97.6	98.0	97.6 98.0	97.8	98.2	98.7	98.2	98.2	98.2	98.6	98,2	96.
≥ 700 ≥ 600	51.8	82.0	89.8	95.5	97.8	98.2	99.0	98.6	98.6	99.6	99.0	99.0	99.6	99.6	99,6	99.
≥ 500 ≥ 400	53,8	82.0	89.4	95.5	98.0	98.6	99.0	99.2	99.2	100.0	99.6	100-0	99.6	99.6	99,6	100.
≥ 300 ≥ 200	51,8	82.0 82.0	39.8	95.5	98.0	98.6	99.0	99.4	99.4	100.0 100.0	100.0	100.0	100.0	100.0	100,0	100.
≥ 100 ≥ 0	51.8 51.8	82.0		95.5	98.0	98.6 98.6		99.4	99.4	100.0	100,0		100.0			100.0

TOTAL NUMBER OF OBSERVATIONS

510

# CEILING VERSUS VISIBILITY

93744 MARTIN MARIETTA AIRFIELD MD 70-78

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							VIS	BILITY (STA	ATUTE MIL	ES,						
FEET	≥10	≥6	≥ 5	≥4	≥3	ב'2 ≦	≥ 2	≥112	≥1'4	≥1	≥ 3,4	≥ 5,6	≥ '′2	≥5 16	≥ '4	≥0
NO CEILING ≥ 20000	45.6	57.5	62.8	63.6	63.6	64.0	64.4	64.4	64.4	64.4	64.4	64.4	64,4	64.4	67.8	64.4
≥ 18000 ≥ 16000	47.5	60.5	66,3	67.4	67.4	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68,2	68.2
≥ 14000 ≥ 12000	49,0	62.5	68.2 70.9	69.3	69.3	69.7	70.1	70.1	70.1	70.1 72.8	70.1 72.8	70.1 72.8	70.1	70.1 72.8	70,1	70.1
≥ 10000 ≥ 9000	53.6	67.8	73.6	74.7	74.7	75.1 77.0	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75,5	75.5
≥ 8000 ≥ 7000	57,5	72.4	78.2	80.1	80.1	80.5 82.8	80.8	80.0	80.8	80.8	80.8	80.8	80.8	80.8	80,8	80.8
≥ 6000 ≥ 5000	59.8	75.5	81.2 82.8	63.1	84.7	83.5	83,9	83.9	83.9	85.4	83.9	85.4	83.9	83.9	83,9	83.9
≥ 4500 ≥ 4000	60,2	77.8	84.3	86.2	80.6	87.0	90.0	90.0	90.0	90.0	90.0	90.0	90.4	87.7 90.4	87,7 90.4	87.7
≥ 3500 ≥ 3000	62,5	82.0	88.9	91.2	91.2	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.7	92.7	92,3	92.3
≥ 2500 ≥ 2000	62,8	82.8	89.7	91.6	92,3	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.5	93.5	93,5	93.5
≥ 1800 ≥ 1500	62.8	83.1 83.2	90.4	92.3	93.1	93.5	93,9 95,0	93.9	93.9	93.9	93,9	93.9	94.3	94.3	94,3	94.3
≥ 1:00	63,6	84.3	91.6	94.3	95.0	95.4	95,8	95.0	95.8	96.4	95.8	95.8 96.6	96.2	96.2	96,2	96.2
900 ≥ 800	63,6	84.7 84.7	92.3	95.0	96,4	96.9	97,3	97.3	97.1	97.3	97,3	97.3 98.1	97.7 98.5	97.7	97,7	97.7
≥ 700 ≥ 600	63.6	84.7	92.3	95.0 95.1	97,3 97,3	97.7	98.1	98.1	98.1	78.1	98.1	98.1	98.5	98.5	98,5	98.9
≥ 500 ≥ 400	63,6	84.7	92.2	95.1	97.3	97.7	96.9	98.4	98.9	98,9	98.9	98.9	99.2	99.2	99,2	99.2
≥ 200	63,6	85.1	92.7	96.2	97,7	98.1 98.1	99,2	99.6	99.4	99.6	99.6	99.6		100.0	100,0	100.0
≥ 100 ≥ 0	63,6	85,1	92.7	96.2	97.7 97.7	98.1 98.1	99.2	99.6	99.4	99.4	99.6	99.6			100,0 100.0	

TOTAL NUMBER OF OBSERVATIONS

261

USAF ETAC 101.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS -ORM ARE OBSOLETE

GLOBAL CLIMATOLUGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93744 MARTIN MAKIETTA AIRFIELD MO 70-78

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (STA	ATUTE MILI	ES <sup>1</sup>						
FEET	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2 ?	≥ 2	≥11,	≥1'4	≥1	≥ 14	≥,•	≥ 1/2	≥5 16	≥ '4	≥0
NO CEILING ≥ 20000	28,0	43.3	47.3	50.0	52,9	53.5	53.9	54.2	54.2	54.3 59.5	54,3	54.3	54.3	54.3 59.6	54,3	54.3
≥ 18000 ≥ 16000	30.1	47.6	52.2	55.2	58.2	59.0	59,4	59.7 59.8	59.7	57,8	59.9	59.9	59.9	59.9	59,9	59.9
≥ 14000 ≥ 12000	30.4	45.0	52.6	55.7	58,7	59.5	59,9	60.2	62.4	60.4	60.4	60.4	62.5	60.4	60,4	60.4
≥ 10000 ≥ 9000	32,4	51.8	56.9 57.7	60.7	64,3	65.2	65,8	66.1	67.0	66,2 \$7.0	64.2	66.2	66.2	66.2	67,2	66.2
≥ 8000 ≥ 7000	33,5	54.8	60,1	64.5	70.3	71.3	70,0	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70,5	70.5
≥ 6000 ≥ 5000	35, ì	57.1 59.1	62.0	70.6	71.5	72.5	73,2	73.6	73.6	73.9	73.9	73.9	77.9	73.9	73,9	73.9
≥ 4500 ≥ 4000	36.3	61,4	48.0	73.7	78.0	77,2	78,1	80.7	78.6 B0.8	91.0	78.9 Blal	70.7	78.V -81.1	78.7	78,9	78.9 81.1
≥ 3500 ≥ 3000	30,1	65.4	72.5	78.9	63.2	84.5	85.5	83.1	05.9	96.2	86.2	83.4	86.3	16.3	86,3	83.4
≥ 2500 ≥ 2000 ≥ 1800	39.7	67.7	73.4	81.9	86.9	88.3	87.3	47.5	87.8	20.2	90.2	90.2	90.2	90.3	90,2	90+3
≥ 1200	40,4	60.8	76.6	33.5	89.0	90.5	91.7 93.1	90.2	72.2	92.9	92.5	93.9	92.6	90.6 92.6 94.0	92.6	90.6
≥ 1000	41.0 41.0	70.1	78.4	85.7	91.4	93.1	96.4	94.9	75.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4
≥ 800 ≥ 700	41.1	70.3	78.9	86.4	92.7	94.6	96,7	94.4	2000	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600	41.1	70.4	79.1	86.7	93.2	95.4	97.1	97.8	97.9	91.9	98.4	98.4	98.4	99.1	98.4	98.4
≥ 400 ≥ 300	41.1	70.4	79.1 79.1	86.0	93.3	95.9	97.7	98.6	98.7	99.3	99.5	99.5	99.5	99.4	99.0	99.6
≥ 200 ≥ 100	41.1	70.4	79.1	86.8	93.2	95.9	97.8	98.7	98.8	77.4	99.6	99.6	99.7	99.8	99,8	99.9
≥ 0	41.1	77.4	79.1	86.8	93.3	95.9	97.8	98.7	21.1	99.4	99.6	99.7	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

3335

USAF ETAC 1.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93744 MARTIN MARIETTA AIRFIELD MD 70-78

WORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING							VISI	BILITY (STA	ATUTE MIL	E\$:						
FEET	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2',	≥ 2	≥112	≥1'4	≥1	≥ 14	≥ ′⁄a	≥ ⅓	≥5 16	≥14	≥0
NO CEILING ≥ 20000	29,9	41.5	44.5	47.2	50,8	51.3	52.4 55.8	52.8 56.2	52.0	52.8 56.2	53.1	53.1	53.1	53.1	53,1	53.5
≥ 18000 ≥ 16000	31.7	44.4	47.8	50.4	54.2	54.7	56.0 56.0	56.4	56.4	56.4 56.4	56,7	56.7	56.7	56.7 56.7	56,7	57 · 1
≥ 14000 ≥ 12000	31,8	44.5	47,9	50.6	54.4	54.9	56,4	56.7	56.7	56.7	57.1	57.1	57.1	57.1 58.9	57,1	57.4
≥ 10000 ≥ 9000	33,5	47.9	52.1 52.4	55.1	58.9	59.4	61.0	61.4	61.4	61.5	61,9	61.9	61.9	61.9	61,9	62.6
≥ 8000 ≥ 7000	35,8	51.2	55,3	50.7	42.5	63.3	65.1	65.5	65.7	67.8	64.2	66.2	64.2	66.2	66,2	68.0
≥ 6000 ≥ 5000	36,3	55.0	56.9	60.3	64.9	65.5	70.5	60.0	71.7	72.3	72.6	69.1 72.6	72.4	69.1	73.0	69.6
≥ 4500 ≥ 4000	38,3	56.0 58.0	60,1	63.7	70.5	71.6	71.4	71.9	72.3	72.0	73.2	73.2	73.3	73.3	73,5	73.9
≥ 3500 ≥ 3000	39,4	58.9	62,8	66.5	71.6	72.5	75.3	75.3	75.7	76.2	76.6	76.6	76.7	76.7	76,9	77.3
≥ 2500 ≥ 2000	39,9	59.9 60.8	64,6	68.5	73.5	74.4	76,7	77.6	78.0	70.5	78.9	78.9	79.1	79.1	79,2	79.6
≥ 1800 ≥ 1500	40,4	61.0	66.0	70.1	75.5	76.4	78.7 8c.1	79.6 Bl.0	81.4	81.9	80.9	80.9	81.0	81.0	81,2	81.6
≥ 1200 ≥ 1000	40,6	63,1	67.8	72.3	77.8	78,9	61,6	86.5	82.0	83.4	83,7	83.7	83.9	83.9	84,1	84.4
≥ 900 ≥ 800	40,8	63,1	69.2	73.9	19.6	11.0	84,1	85.2	15.5	87.7	86.6	86.6	86.8	86.8	86,9	87.3
≥ 700 ≥ 600	41.1	63.5	69.9	75.1		83.4	37,1	87.1	90.2	90.9	91.4	87.6	91.6	91.6	90,0	90.3
≥ 500 ≥ 400	41.1	63.7	70.3	75.5	82.3	85.0	88,6	91.9	92.0	73.7	94.6	94.6	95.2	95.2	95,3	97.0
≥ 300 ≥ 200	41,1	63.7	70.5	79.8	12.5	85.2	89.4	93.2	94.1	75,5	96.2	96.2	97.0 97.5	97.7	97,3	97.7
≥ 100 ≥ 0	41,1	63.7	70.5	75.8	82,5	85.3	89.6	93.4	94.3	95.7 95.7	96.6	96.6	97.7 97.7	97.9	98,4	99.1 100.0

TOTAL NUMBER OF OBSERVATIONS

559

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **CEILING VERSUS VISIBILITY**

93766 MARTIN MARIETTA AIRFIELD MD 70-78

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							VIS	BILITY ISTA	TUTE MILI	ES)	-					
· FEET.	≥ 10	≥6	≥ 5	≥4	≥ 3	≥2′2	≥ 2	≥112	≥1'4	≥1	≥ 34	≥,•	≥ '7	≥5 16	≥ '4	≥0
NO CEILING ≥ 20000	28.1	42.5	46.9	49.5	52.3	53.0	53,1	53.4	53,4	53.4	53.4	53.4	53.4	33.4	53,4	53.4
≥ 18000 ≥ 16000	30.3	45.8	50.5	53.6	56,8	57.6	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58,0	58.0
≥ 14000 ≥ 12000	30,6	46.5	51.2	54.5	57,5	58.3	58.4	58.7	58.7	58.7	38.7	58.7	58.7	58.7	58,7	58.
≥ 10000 ≥ 9000	32.1	49.3	54.3	57.6	60.6	61.5	61.7	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62,5	62.
≥ 8000 ≥ 7000	33.2	51.5	56.7	60.5	63,6	64.5	64.7	69.6	65.6	65.6	65.6	65.6	65.6	65.6	65,6	65.
≥ 6000 ≥ 5000	34.6	54.6	59.6	63.9	67,0	67.9	66.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69,2	69.
≥ 4500 ≥ 4000	35.6	56.7	62.5	66.8	70.0	70.9	71,2	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72,1	72.
≥ 3500 ≥ 3000	37.6	60.3	66.4	71.2	74.6	75.7	76,0	769	76.9	77.0	77.0	77.0	77.0	77.0	77,0	77.
≥ 2500 ≥ 2000	39.1	63.0	69,3	74.0 75.0	78.0	79.1	79.5	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80,6	80.
≥ 1800 ≥ 1500	39.7	64.7	70.9	75.7 77.0	79.6	80.7	91.1 82.7	82.1	82.1	82.3	84.2	82.3	82.3	82.3	82,3	82.
≥ 1200 ≥ 1000	40.1	67.9	72.8	78.1	82.5	83.6	84.2	85.2	85.2	85.7	85.7	85.7	85.7	85.7	85,7	85.
≥ 900 ≥ 800	40.1	67.5	74,0	80.0	84.8	86.1	86.8	87.8	87.9	88.5	88.5	88.5	88.5	88.5	88,5	88.
≥ 700 ≥ 600	40.4	68.6	75.4	81.5	86.5	89.5	91.4	91.6	91.7	92.3	92.3	92.3	92.3	92.3	92,3	92.
≥ 500 ≥ 400	40.4	68.8	75.5	81.9	87.6	90.6	92.5	94.6	95.0 95.9	95.9	96.2	96.5	96.5	96.5	96,5	96.
≥ 300 ≥ 200	40.4	68.9	75.7 75.7	82.1 82.1	88.0	91.2	93,3	96.1	96.9	97.8	98.1	98.4	98.9	99.0	99,2	99.
≥ 100 ≥ 0	+0.4 40.4	68.9	75.7	82.1	88.0	91.2	93,5	96.2	96.6	98.0 98.0	98.4	98.6	99.2	99.3		100.

TOTAL NUMBER OF OBSERVATIONS

736

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

93746 MARTIN MARIETTA AIRFIELD MD 70-78

OCT

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES						
FEET	≥10	≥6	≥5	≥4	≥3	≥212	≥ 2	≥11/2	≥1'4	≥1	≥ 14	≥ %	≥ '5	≥ 5 16	≥14	≥0
NO CEILING ≥ 20000	33.0	47.6	49.7	51.0 57.1	51.5 57.8	51.6	51.6 58.0	51.6	51.6	51.6 58.0	51.6	51.6 58.0	51.6	51.6 58.0		51 · 6
≥ 18000 ≥ 16000	36.3 36.3	53.5	55.8	57.4	58.1	58.3 58.3	58.3	58.3	58.3	58.3	58.3 58.3	58.3	58.3 58.2	58.3 58.3	58,3 58.3	
≥ 140(a) ≥ 12000	36.3	54.0 55.5	56.2 57.7	57.8	58.5	58.7	58,7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58,7	58.
≥ 10000 ≥ 9000	40.Z	28.9 59.9	62.4	o9.i	65,9 64.9	65.0	64 . D	64.1	65.0	64.1	54.1 65.0	64.1 65.0	64.1	64.1	64,1	64:
≥ 8000 ≥ 7000	41.1	62.8	65.5	67.4	68.2	68.4 70.0	68.4 74.0	68.4 70.0	70.0	68.4 70.0	68.4	68.4	68.4 70.0	68.4	68,4	68 ·
≥ 6000 ≥ 5000	42.4	65.5	68.4	70.9	71.8	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72,3	72 · 73 ·
≥ 4500 ≥ 4000	43.6	67.0	70.0	72.7	73.8	74.1	74.2 74.1	74.2	74.2	74.2	74.2	74 • 2 78 • 1	74.2	74.2 78.1	74,2	74+ 78•
≥ 3500 ≥ 3000	48.1	73.6	77.5	80.3	81.6	81.8	82.0	83.1	82.0	82.0	82.0	82.7	82.0 83.1	82.0	82,0	82 ·
≥ 2500 ≥ 2000	49.5	76.0	79.9 81.8	82.8	84.2	84.5	94.7	84.7 87.1	84.9	84.9	84.9	84.9 87.2	84.9	84.9	84,9	84.
≥ 1800 ≥ 1500	50.5 50.9	78.1	82.1	85.2	86,8	87.1 88.6	87.4	87.4 88.9	87.5	87.5	87.5 89.0	87.5	87.7	87.7	87,7	87.
≥ 1200 ≥ 1000	51.3 51.3	80.3 80.7	84.6	87.9 89.6	92.0	90.2	93.2	90.8	91.1	91.1	91.1 93.8	91.1	91.3	91.3	91.3	91.
≥ 900 ≥ 800	51.3 51.3	89.7	85.2	89.7	92,5	93.1	93,9 95.0	94.2	94.5	94.5	94.5 95.8	94.5	94.6	94.6	94,6	96.
2 700 ≥ 600	51.3 51.5	81.0	85.4	90.6	94.0	94.9	95,8	96.3	96.5 97.6	96.5	96.7 98.3	96.7	96.8	96.8 98.5	96,8	96 • 98 •
≥ 500 ≥ 400	51.5	81.4 81.4	86.0 86.0	91.1 91.1	94.7	95.8	97.1 97.2	97.8	98.3	99.0	99.3	99.3	99.4	99.4	99,4	99.
≥ 300	51.5	81.6 61.6	86.1 86.1	91.3	94.9	96.0	97.4	98.2	98.8	99.4	99.7	99.7	****	99.9 100.0	99,9	100.
≥ 100 ≥ 0	51.5 51.5	81.6 81.6	86.1 86.1	91.3	94.9	96.0	97.4	98.2 98.2	98.8 95.8	99.6	99.9	99.9		100.0 100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS

721

USAF ETAC 104 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLDAY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **CEILING VERSUS VISIBILITY**

93744 MARTIN MARIETTA AIRFIELD MD 70-78

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY STA	ATUTE MILI	E\$:						
FEET.	≥10	≥6	≥5	≥4	≥ 3	≥219	≥ 2	≥115	≥1'4	≥1	≥ 14	≥ 5,4	≥ '5	≥ 5 16	≥ '•	≥0
NO CEILING ≥ 20000	35.9 40.5	48.9	50.8 57.3	51.3 57.8	51.7 58.2	51.7 58.3	51.7 58.3	51.7 58.3	51.7 58.3	51.7	51.7 58.3	51.7 58.3	51.7 58.3	51.7 58.3	51,7 38.3	51.7 58.3
≥ 18000 ≥ 16000	40.6	54.9 54.9	57.5 57.5	57.9 57.9	58.4 58.4	58.4 58.4	58,4 58,4	58.4 58.4	58.4 58.4	58.4 58.4	58.4 58.4	58.4 58.4	58.4 58.4	58.4 58.4	58,4 58,4	58 • 4 58 • 4
≥ 14000 ≥ 12000	40.8	5 . 2	57.8	58.4 59.8	58.9	58.9 60.5	58.9	58.9	58.9	58.9	58.9 60.5	58.9 60.5	58.9	58.9	58,9	58.9
≥ 10000 ≥ 9000	44,0	60.3	64.1	64.0	64.9	65.7	64.9	64.9	64.9	64.9	64.9 65.7	64.9	64.9	64.9	64,9	64.9
≥ 8000 ≥ 7000	45.2	62.9	65.9	66.5	67.6 70.3	67.6	67.6 70.3	70.3	57.6 70.3	67.6	67.6 70.3	67.6	67.6	67.6	67.6	70.3
≥ 6000 ≥ 5000	47.3	69.2	72.5	70.3	71.4 74.4	71.4 74.4	71.4	71.4	71.4	71.4	71.4	71.4 74.4	71.4	71.4	71,4	71.4
≥ 4500 ≥ 4000	49.7	71.1 77.6	74.6	75.4	76.5	76.5	76,5 84.0	76.5	76.5	76.5	76.5 83.2	76.5 83.2	76.5 83.2	76.5	76,5	76.5 83.2
≥ 3500 ≥ 3000	56.5	79.7	83.8 85.6	84.6	85.9	85.9 87.6	95,9 87.6	85.9 87.6	85.9	86.0	86.0 87.8	86 • 0 87 • 8	86.0 87.8	86.0 87.8	86,0	86.0 87.8
≥ 2500 ≥ 2000	57,8 58.1	84.3	88.4	90.8	90.5	90.5	92.2	90.5	90.5	90.6	90.6	90.6	90.6	92.4	90,6	90.6
≥ 1800 ≥ 1500	58.1 58.4	85.2 85.6	90.0	91.0	92.2	92.2	93.0	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92,5	92.5
≥ 1200 ≥ 1000	58.4 58.4	86.2 <u>86.3</u>	91.1	92.2	93.7	93.8	95.2	94.0 95.2	94.0	94.1	94.1 95.6	94.1	95.6	94.1	94,1	95.6
≥ 900 ≥ 800	58,4	86.3	91.3 91.6	92.9	94.8	95.2	96.0 97.1	96.0	96.0 97.3	96.3	96.3 97.6	96.3	90.3	96.3	96,3	96.3
≥ 700 ≥ 600	58,4 58,4	86.8	91.7 91.8	93.1	95.7 95.9	96.3	97.6 97.9	97.8	97.8 98.1	98.1 98.9	98.1 98.9	98 • 1 98 • 9	98.1 98.9	98.1 98.9	98.9	98.9
≥ 500 ≥ 400	58.4	86.8 86.8	91.9	93.5	95.9	96.5	9001	98.4	98.4	99.2	99.2	99.2	99.4	99.7	99,4	99.4
≥ 300 ≥ 200	58,4 58,4	86.8	91.9	93.8	95.9 95.9	96.5 95.5	98.1 98.1	98.6	98.6 98.7	99.7	99.5	99.5	99.7 93.8	99.7		99.8 150.0
≥ 100 ≥ 0	58.4	86.8	91.9	93.9	95.9 95.9	96.5	95.1	98.7	98.7	99.7	99.7	99.7	99.8 99.8	99.8	99.8	100•0 100•0

TOTAL NUMBER OF OBSERVATIONS

630

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

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## CEILING VERSUS VISIBILITY

93744 MARTIN MARIETTA AIRFIELD MD 70-73

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING			<u> </u>				VIS	BILITY (ST	ATUTE MIL	ESI						
FEET	≥10	≥6	≥ 5	≥4	≥3	≥2'7	≥ 2	≥1'/	≥114	≥1	≥ 3,4	≥%	≥ '⁄2	≥5 16	≥ '4	≥0
NO CEILING ≥ 20000	52.3 54.5	63.0	62.7		63.0	63.0 65.6	45.6	63.6	63.6	63.6	63.6 66.2	63.6			63,6	
≥ 18000 ≥ 16000	54.5 54.5	63.0 63.0	65.2	65.4	65.6	\$5.6 \$5.6	56.2	66.2	66.2	66.2	66.2 66.2	66.2	66.2	66.2	66,2 66,2	66.2 56.2
≥ 14000 ≥ 12000	55,6 56.0	64.9	66.4	66.5	66.7	66.7	67.3 65.0	67.3 68.0	67.3 68.0	67.3	67.3 68.0	67.3 68.0	67.3	67.3 68.0	67,3	
≥ 10000 ≥ 9000	57.1 57.7	67.7	69.9	70.1	70.8	70.8	71.3 71.9	71.3	71.3	71.3	71.3	71.3 71.9	71.3	71.3 71.9	71,3 71,9	71.3
≥ 8000 ≥ 7000	59.0 60.6	70.4	72.6	75.0	75.0	73.6 75.8	70.3	74+1 76+3	74.1	74.1 76.3	74.1 76.3	74 • 1 76 • 3	74.1 76.3	74.1 76.3	74.1	74.1 76.3
≥ 6000 ≥ 5000	62.7	74.7	77.1		78,0	78.0	70.6 81.5	61.5	78.6	78.6 81.5	78.6 81.5	78.6 81.5	81.5	81.5	81.5	41.5
≥ 4500 ≥ 4000	64.7	79.2 <u>20.4</u>	83.5	83.7	82.3	82.3	Boot	85.0	82.8	82.8	85.0	82.9 85.0		85.0	85,0	45.0
≥ 3500 ≥ 3000 ≥ 2500	67.5	82.4 84.8		49.1	87.2 89.8 91.1	87.2 89.8	9004	90.4	87.8 90.4 91.7	90.4 91.7	87.8 90.4 91.7	87.9 90.4 91.7	90.4	90.4 91.7	90.4	1 - 1
≥ 2000 ≥ 1800	67.5	85.8 <u>57.2</u> 57.2	91.3	91.9	93.0	91.1 93.0 93.3	91,7	91.7 93.5 93.9	93.5	93.	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1500	68.0 68.2 68.4	57.2 87.6 89.2	91,7 92.1 92.6	92.8	94.1	94.1	93.9 94.6 95.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1000 ≥ 900	68.5	69.4	93.2	94.1	95.7	95.7	96.9	96.9	96.9	96.3 96.9		96.3	96.9	96.3	96,3	96.3
≥ 800	68.6	89.4	93.2	94.8	96.5	96.9	96.0	97.4	98.0	97.4	97.4	97.4	97.4	97.4	97,4	97.4
≥ 600	68.6	48.7	93.7	95.2	96.9		95.3	98.5	98.9 99.1	98.	98.5	98.1	98.1	98.5	98.5	98.5
≥ 400	68.6		93.7	95.2		96.9		99.3	99.3	99 . 3 99 . 3	99.4	99.4	99.4	99.4	99,6	
≥ 200	68.6		93.7	95.2 95.2		96.9	92.3	99.3		99.4	99.0		100.0	-		100.0
≥ 0	60.6	dR.7	93.7	95.2	96.9	96.9		99.3	99.3	99.4	95.6	99.4	100	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

541

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93744 MARTIN MARIETTA AIRFIELD MD 70-78

2100=2300

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING			, .				VIS	BILITY (ST)	ATUTE MILI	ESı						
(PÉET)	≥10	≥6	≥ 5	≥ 4	≥3	≥21/2	≥ 2	≥1'2	≥114	≥1	≥ '4	≥ %	≥ '1	≥ 5 16	≥ '4	≥0
NO CEILING ≥ 20000	55.2 56.6	61.2	54.1	64.1 66.2	64.1	64.1	64.8	04.8	64.8	64.8	64.8	64.9	64.6	64.8	64,8	64.8
≥ 18000 ≥ 16000	57.7 57.7	64.4	67.3	67.3	67.3	67.3	A3.0 64.0	68.0	68.0	68.0 68.0	68.0	68.0	68.0	68.0	58,0 68,0	68.0
≥ 14000 ≥ 12000	58.4 59.4	65.1	68.0	68.0	68.0	69.4	60.7	68.7	68.7	68.7 70.1	68.7	68.7	68.7 70.1	68.7	68,7	68.7
≥ 10000 ≥ 9000	61.6	68.7	71.5 71.9	71.5	71.9	72.2	75.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0 73.3	73.0	73.0
≥ 8000 ≥ 7000	64.1	72.2	75.1 76.5	75.1 76.9	75.4	75,8	76.5 77.9	76.5	76.5 77.9	76.5 77.9	76.5 77.9	76.5 77.9	76.5 77.9	75.5 77.9	76,5 77.9	76.5 77.9
≥ 5000 ≥ 5000	66.9	75.1 75.9	77.9 80.8	77.9	78.3 81.5	76.6	75.4 82.6	79.4	79.4	79.4 82.6	79.4 82.6	79.4	79.4	79.4	79,4 82.6	79.4
≥ 4500 ≥ 4000	60.3 70.1	77.2	81.9	81.9 84.3	82.6 85.1	82.9	მკ. <b>ć</b> მა. 1	8.3 • 6 36 • 1	83.6	85.6 86.1	53.0 86.1	85.6 86.1	86.1	85.6 86.1	53,0 86.1	83.5 06.1
≥ 3500 ≥ 3000	70.5	87.1 84.0	84.7 88.6	84.7	85.4 89.3	85.8 89.7	85.5	36.5	90.4	86.5	86.5 90.4	86.4 90.4	86.5 90.4	86.5 90.4	86,5	86.5 90.4
≥ 2500 ≥ 2000	71,9	85.4 d6.1	90.0	90.0	90.7	91.1	91.8 92.5	91.8	91.8	91.8	91.8	91.A	91.6	91.8	91.8	91.8
≥ 1800 ≥ 1500	72.2	36.1	90.7	90.7	91.5	91.8	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1200 ≥ 1000	72.2 73.0	86.1	91.1 92.2	91.A	92.5	92.9	95.6 95.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900 ≥ 800	73.0 73.0	84.9	92.9	94.7	95.7 96.1	96.1 96.4	96.8	96.8	96.8	96.8 97.2	96.8 97.2	96.9	96.8	96.8	96.8	96.8 97.2
≥ 700 ≥ 600	73.0	87.2	93.2	95.4	96.4	96.8 96.8	97.5	97.5	97.9 97.9	97.5 98.2	97.5	98.5	97.5 98.6	97.5 98.u	97,5	97.5
≥ 500 ≥ 400	73.0 73.0	d7.2	93.2	95.4	96.4	96.8 96.8	92	98.6 98.6	98.6 98.6	98.9 98.9	99.3	99.3	99.3 99.3	99.3	99.3	99.3
≥ 300 ≥ 200	73.J 73.0	d7.2	93.2	95.4 95.4	96.4 96.4	96.8 95.8	94.2	98.6 98.6	98.6 98.6	99.6 99.6	100.0 100.0	100.C 100.C	100.0 100.0	100.0 100.0	100.0 100.0	100.9 100.9
≥ 100 ≥ 0	73.0 73.0	67.2 57.2	93.2	95.4	96.4	96.8	9:02	98.6	98.6 98.6	99.6	100.0 100.0	100.1 100.1	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

281

USAF ETAC JULI 64 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93746 MARTIN MARIETTA AIRFIELD MD 20-76

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (15)

CEILING							VIS	BILITY (STA	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥ 2	21%	≥1%	21	≥ ¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	30.8 39.5		51.7 55.9	53.0 57.4	54.4 58.9	54.7 59.2	55.0	55.1 59.7	55.1 59.7	55.1 59.7	55.2 59.3	55.2 59.8	55.2 59.8	55.2 59.8	55.2 59.8	- 1
≥ 18000 ≥ 16000	39.7	53.0 53.0	56.1 56.1	57.7 57.7	59.7	59.5 59.5	5 / 8	60.0	60.0 60.0	60.0	60.0	0.00	60.0 60.0	50.0	60.0	60 • 1
≥ 14000 ≥ 12000	40.0 40.0	51.6 54.7	56.6	58.3 50.5	59.8	60.0	60.4 65.4	60.6 51.9	61.9	60.6		60.6	60.0	60.6	60.6	60 · 7
≥ 10000 ≥ 9000	42.5	57.5 58.1	60.9	63.2	64.5	04.6	65.1	65.3	65.3 65.9	65.3	1 1	65.4 66.0	65.4 66.0	65.4	65.4 66.0	65.5 66.0
≥ 8000 ≥ 7000	44.0	60.5 62.1	63.9	65.8 67.5	67.7	69.7	۶،،۶ دمد <i>۲</i>	48.7 70.5	68.6 70.6	70.6	70.0	68.9	68.9 70.0	68.9 70.6	68.9 70.6	58.9 70.7
≥ 6000 ≥ 5000	45.6	53.6 55.7	69.5	69.1	71 · 1 73 · 7	71.5	7, 1	72.3 75.0	72.4 75.0	72.4 75.1	75.2	72.5 75.2	72.5	72.5 75.2	72.5	15.7
≥ 4500 ≥ 4000	49.8	09.6	70.4 73.4	76.1	78.1	75.0 78.5	7-1	79.4	70.0	79.6	76.1 79.7	75.1 79.7	76.1 79.7	76.1 79.7	76.2	79.1
≥ 3500 ≥ 3000	50.7 51.5	71.4	75.9	78.2 79.9	82.1	80.9 82.6	82	91.8 83.5	81.8	82.0	84.0	82.1 83.8	87.8	82.1 83.8	82.1	82.2
≥ 2500 ≥ 2000	51.9	74.4	79.1 80.5	81.6	85.5	84.4 85.0	8:.0	85.4 57.0	85.5	85.6 87.3	87.0	85.7	85.7	85.7	17.4	85.7
≥ 1800	52.5	74.6		83.3 84.4	87.	86.1 87.5	8:00	67.4 33.5	87.4	87.6 88.9	83.4	87.7 88.9		87.7 89.0	87.8	1901
≥ 1200 ≥ 1000	52.9 53.0	77.8		85.3 86.6		90.2		99.8 91.6	89.9 91.4	90.1 92.0		90.7 92.1	90.2	90.2	90.3	90.3 52.3
≥ 900 ≥ 800 ≥ 700	53.0 53.1	78.2	83.7	86.9	90.9	90.8		≤ <b>3 a 7</b>	92.5	92.3	9444	92.P	94.09	97.9	92.9	93.1
≥ 700 ≥ 600 ≥ 500	53,1	79.4		88.0	9100	92.8	94.4	45.3	94.7	95.0 96.2 97.6	95.1 96.2 97.0	95.1 96.3 97.9	95.2		95.2	26.2
≥ 400	53.1	78.9	84.1	88.1 38.2 88.2	92.4	97.3 93.5	9:.2	76.5 77.0	96.9 <u>97.3</u> 97.6	98.2	98.4	98.5	94.7	25.07	98	78 · 1 78 · 1
≥ 200	53.1 53.1	78.5 79.5	84.2 84.2	88.2	92.	93.5 93.5		97.3	97.6 97.0	98.6	28.9	99.0 99.0	94.4	27.5	99.7	290.
≥ 0	53.1	78.5	844	88.2	92.	94.5	فسئا	27.3	97.0	98.6		99.0		99.5	99.7	لعمينا

TOTAL NUMBER OF OBSERVATIONS ...

GLOBAL CLIMATOLUTY BRANCH USAFETAL ATR HEATHER SERVICE/MAC

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## **CEILING VERSUS VISIBILITY**

93744 MARTIN MARIETTA AIRFILLD MD 20-78

#### PF CENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CELLING							VIS	IBILITY (ST	ATUTE MIL	<b>E</b> 5)						
(FEET)	≥10	≥6	2.5	≥4	≥3	≥2%	≥ 2	11/2	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥4	≥0
NO CEILING ≥ 20000	25.4		44.7	45.9		40.8 49.8	4 / • 1 55	41.1 50.5	47.1		48.0	48.0	44.0	48.0	48.0	48.6
≥ 18000 ≥ 16000	20.6 20.6		47.7	48.9	49.8	49.8 49.8	5 5	50.5	50.5 50.5	50.5 50.5	51.4	51.4	51.7	51.7	51.7	
≥ 14000 ≥ 12000	20.6	44.4	48.0	49.7 50.8	50.2 51.7	50.2 52.0	5., 6	50.8 52.6	50.8 52.6	50.8 52.6	51.7 53.5	51.7 53.5	52.0 53.6	52.0 53.8	52.0 53.8	
≥ 10000	29.0 29.0		52.9 <b>53.5</b>	55.0	56.2 56.5	56.8 57.4	50	57.4 58.0	57.4 58.0	57.4 58.0	58.3 58.9	58.3	58.6	58.6 59.2	58.6 59.2	59.2 59.8
≥ 8000 ≥ 7000	30.2	57.3 53.5	50.8 58.0	59.5	60.1	60.7	6,.5	61.3	61.3 62.5	61.3	62.2	63.4	62.5	62.5	62.5	63.1
≥ 6000 ≥ 5000	31.7 31.5	35.9 39.5	60.7 44.4	62.2	64.0	64.7 68.6	63.3	65.3	65.3 64.2	65.3	06 1 £	70.1	56.5 70.9	66.5 70.4	66.5 70.4	67.1 71.0
≥ 4500 ≥ 4000	34.9 36.3	01.0	03.7 08.0	71.3	69.5 73.1	70.1	$\frac{7}{7}$	70.7	10.7 74.3	76.7 74.3	71.0 75.2	71.5 75.2	71.4	71.9 75.5	75.5	
≥ 3500 ≥ 3000 ≥ 2500	30.3 30.6	07.7	70.1	72.8		74.1	74.9	74.9 76.1	74.9	74.9 76.1	77.0	75.8	76 · 1 77 · 3	76.1 77.3		76.7 77.9
≥ 2500 ≥ 2000 ≥ 1800	37.8 37.8	06.5		75.7 76.1	77. 3	77.9	74.5	78.5 79.8	7d.5 79.8	78.5		79.8	Ru.1	80.1	80.1	60 • 7 52 • 2
≥ 1500 ≥ 1500	37.8	07.4		76.1		77.2 80.1	72.8	79.8 30.7	79.8 80.7	79.8 86.7	2100	11.0	81.3 82.42	81.3	82.2	82.5
≥ 1000	36.1 38.1	07.7 05.3	74.0	78.9		81.0 82.5	86	81.6	81.6 34.0	84.0	84.9	82.8 85.2	93.1	83.1 85.5	83.1	84. 1 50. 1
≥ 800 ≥ 700	38.1 38.4	68.6	74.5	79.8	Beat	87.5	ا و ر ع قمه 8	84.3	84.3	94.6 85.4	57.4	85.8	87.9	86.1		87.3 119.1
≥ 600	38.4 38.4	69.7	75.8	10.7	84.	84.0 85.8	84.6	36.7	89.4	90.0		91.2	88.6	21.5	ناو	93.1
≥ 400	36.4	00.2	75.6	81.6		86.1	8/.3 85	90.3	90.3	91.2	92.1	92.4	92.7	97.7	92.7	94.4
≥ 200 ≥ 100	30.4	69.2 59.2	75.8 - 75.4	81.5	85.6	87.3 87.3	8 7 . 1 8 × 1	93.1 <del>-33.1</del>	93.1	74.0 94.0	95.2	95.5 95.8	96.7	96.7	96.7	99.1
≥ 0	30.4 35.4	62.2	75.6 75.6	81.6	85.0	87.3	ay. 1	93.1	93.1 1119	94.0	95.5	95.8 95.8	97.3	97.3 97.3	97.0	99.4

TOTAL NUMBER OF OBSERVATIONS.....

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSCILETE

GLOBAL CLIMATOLOGY BRANCH USAFFTAC ATR WEATHER SERVICE/MAC

## **CEILING VERSUS VISIBILITY**

MARTIN MARIETTA AIRFIELD MO

C-78

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							VIS	IBILITY (ST.	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥21⁄2	≥2	≥1%	≥1¼	≥1	≥ ¾	≥%	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	29.0 31.5	41.6	43.3 48.2	44.2	45.8	45.6 50.8	15.6 58	46.4	40.4 51.6	46.6	46.6	46.8 52.1	40.8 52.2	46.8 52.2	46.8	46.8
≥ 18000 ≥ 16000	31.6	46.2	48.4	49.4	50 • ⊜ 50 • ⊌	50.9	5.9	51.8	51.8	57.1 52.1	52.1	52.2 52.2	52.4	52.4 52.4	52.4 52.4	52.4
≥ 14000 ≥ 12000	32.9	47.9	49.9	51.2 52.6	54.0	57.9	5, 9	53.8 55.2	53.8 55.2	54.1 55.5	54 - 1 55 - 5	54.2 55.7	74.4 55.8	54.4 55.8	54.4 55.8	54.4 55.8
≥ 10000 ≥ 9000	36.3	53.1 53.6	55.7	57.7 58.7	59.5 -60.1	59.7 60.2	5 · . 7	60.5	60.5	00.8	60.8	60.9	61.1	61.7	61.7	61.1
≥ 8000 ≥ 7000	37.9 38.2	56.9 58.9	59.8	61.9	63.6	67.9	69 52	64.8	64.8	65.1	67.4	65.7	67.7	65.4 67.7	65.4	05.4
≥ 6000	38.6 39.9	ბი.1	63.4	65.5	67.7	67.8	47.6	20.8	68.7 7.1.8	67.0	71.1	69.1 71.2	69.2 71.4	69 • 2 71 • 4	69.2 71.4	69 • Z
≥ 4500 ≥ 4000	41.1	03.4 05.4	67.0	69.2	71.5 -74.4	71.8	71.8	72.8 75.3	72.8	73.1 75.7	73.1	73.7	73.4 <u>70.</u> 0	73.4	73.4	73.4
≥ 3500 ≥ 3000	45.0	66.7	70.4	73.1	75.7 78.4	76.0	70.00	77.0	77.0	77.4 80.1	77.4	77.5 80.3	77.7	77.7	77.7	80.5
≥ 2500 ≥ 2000	45.4	39.7 70.2	74.4	77.1 77.8	80./	81.1 81.8	8.01	82.3	82.3	87.8	82.6 81.5	83.0 11-7	83.1 83.8	83.1	83.1	03.3 04.0
≥ 1800 ≥ 1500	45.4	70.7	74.4	77.9 78.5	81.4 87.1	82.5	11.8	ა3.0 ა3.7	83.0 83.7	83 <b>.5</b>	83.5	83.7 84.4	84.5	83.8	83.0 84.5	34.0 34.7
≥ 1200 ≥ 1000	45.5	71.4	16.5	79.3 80.1	83. <sub>1</sub> .	83.4 64.5	8 5 . 5	34.7	84.7 86.1	80.7	15.3 80.7	05.4 66.6	85.0	85.6 87.0	87.4	35.7
≥ 900 ≥ 800	45.9	77.1	76.7	80.7	84.1 84.5	84.7	8: •1 8: •0	56.4 E7.4	86.4	87.0	87.0	ا • 7 ع ا • ئة	87.3 28.3	87.3	87.3 88.3	37.4
≥ 700 ≥ 600	45.5	77.4	70,0	81.4 81.5	86.0 86.0	87.1	85.4 19.1	\$9.7 91.0	89.7 91.4	90.3	90.3	50.4 92.1	90.0 92.2	90.6	90.7 92.4	₹0.5 20.54
≥ 500 ≥ 400	45.4	72.4	78.1 78.1	82.0 82.0	86./ 87.:	68.7 80.3	9.0	93 <b>.1</b>	93.0	94.3	94.4	94.6	94.7	94.7	94.5	95.4
≥ 300 ≥ 200	45.5 43.3	72.4	78.1	82.1	87.0 87.0	4.08 A.08	71.9	94.4	35.0 23.1	96.4	96.9	97.4	97.9	97.9	98.7	98.4
≥ 100 ≥ 0	45.5 45.5	72.4	78.1 73.1	82.1 82.1	87.0 87.0	80.6	91.7	94.7	95.3 95.3	96.7 96.7	77.3	97.6	9d.4 9a.4	98.4		luo-q Luo-u

TOTAL NUMBER OF OBSERVATIONS 699

USAF ETAC FORM 0-14-5 (OL A) MEYIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **CEILING VERSUS VISIBILITY**

93744

MARTIN MARIETTA AIRFIELD MD

70-78

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# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING				·			VIS	BILITY (STA	ATUTE MILI	ES)			<del></del>	·-·		
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1%	≥1¼	≥1	≥ 3,4	≥ %	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	33.2 35.7	41.3	41.8	42.8 47.0	43.2	43.5 48.0	43.5	43.6 48.1	43.6	43.6 48.1	43.6 48.1	43.6	43.6	43.6 48.1	43,6	43.6
≥ 18000 ≥ 16000	35.7 35.7	45.7	46.4	47.4	48.1	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48,6	48.6
≥ 14000 ≥ 12000	36.4 37.7	47.3	48.1 50.1	49.1 51.2	49,9 51.9	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 10000 ≥ 9000	39,9	53.8	54.8	56,4 57.4	57,4	57.7 58.7	57,7 58.7	57.8 58.8	57.8	57.8 58.8	57.8 58.8	57.8 58.8	57.8	57.8 58.8	57,8	57.8
≥ 8000 ≥ 7000	42.9	58.4 58.8	59.7	61.8	62.9	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63,3	63.9
≥ 6000 ≥ 5000	44.1	60.5	61.8	64.0	65.2	65.5 68.4	65, <b>5</b>	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65,6	65.6
≥ 4500 ≥ 4000	47,5	65.3	67.1	69.7 73.8	70.6	71.1 75.6	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71,2	71.2
≥ 3500 ≥ 3000	54,2	72.8	74.9	77.5 80.1	79.3	79.6	79.8	79.9 82.5	79.9	79.9 82.5	79.9 82.5	79.9	79.9	79.9	79,9	79.9
≥ 2500 ≥ 2000	55.6 55.9	75.9 76.7	78.5	81.4	83.2	83.5	83.7 85.0	83.8	83.8	83.8	83.8	83.8 85.1	83.8	83.8	83,6	83.8
≥ 1800 ≥ 1500	55.9 55.9	76,9	79.5	82.7	84.7	85.1 86.8	85,3 87.1	65.4 87.3	85.4	85.4	85.4 87.3	85.4 87.3	85.4	85.4	85.4	85.4
≥ 1200 ≥ 1000	55,9 55,9	78.0 78.0	80.8	84.7 85.0	87.0	87.9	88.2 98.9	88.3	88.3	88.3	88.3	88.3	88.3 69.0	88.3	88,3	88.3
≥ 800	55.9 55.9	78.0 78.2	80.9	85.0	87.7	88.7 90.0	89.2	89.3	90.9	90.9	90.9	89.3	90.9	89.3 90.9	89,3	89.3 90.9
≥ 700 ≥ 600	55.9	78.2	81.1 81.2	86.0	90.9	91.3	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92,3	92.5
≥ 500 ≥ 400	55.9 55.9	78.2	81.2	86.4	90.9	93.6 93.8	94.9	96.0	96.0 96.5	96.4	96.5	96.5	96.5 98.1	96.5 98.1	96.5 98.1	96.5 98.1
≥ 300 ≥ 200	30.1	78.3 78.3	81.4	86.6	91.2	94.1 94.1	95.5	97.1	97.1 97.1	98.0 98.0	98.7	98.7	99.0	99.1	99,4	99.i
≥ 100 ≥ 0	56.1 56.1	78.3 78.3	81.4	86.6 86.6	91.2	94.1	95.5	97.1	97.1 97.1	98.0 98.0	98.8 98.8	98.8 98.8	99.3	99.4	99,4	99.9

TOTAL NUMBER OF OBSERVATIONS .

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Air and air .

USAF ETAC JUL 64 C 14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **CEILING VERSUS VISIBILITY**

93744 MARTIN MARIETTA AIRFIELD MD 70=78

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)		<del></del>	***************************************	<del></del>		
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2⅓	≥.	≥1%	214	≥ı	≥ ⅓	≥%	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	37.4	43.3	44.2	45.0 51.2	45.7	45.7	45,7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45,7	45.7
00091 ≤ 000041 ≤	42.2	49.6	50.7 50.7	51.5	52.4	52.4	52,4	52.4 52.4	52.4	52.4	52.4	52.4	52.4	52.4 52.4	52.4	52.4
≥ 14000 ≥ 12000	42.8	50.7 52.9	51.8	52.6 54.8	53.6 55.8	53.6	53.6	53.6 55.8	53.6	53.6 55.8	53.6 55.8	53.6	53.6	53.6 55.8	53,6	53.6
≥ 10000 ≥ 9000	45.7	57.3 58.6	58,8	60.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61,6	61.6
≥ 8000 ≥ 7000	49.0	61.3	62.9	64.8	66.5	66.7	66.7	69.0	69.0	66.7	66.7	66.7	66.7	69.0	66,7	66.7
≥ 6000 ≥ 5000	50.7 51.7	64.8 56.8	66.4	08.7 70.9	70.8	70.9	71.1	71.1 73.3	71.1	71.1 73.3	71.1	71.1	71.1	71.1	71,1	71.1
≥ 4500 ≥ 4000	53.9 57.2	69.5 72.8	71.2	73.8	75.8	76.0	76.1	76.1 79.5	76.1	76.1 79.5	76.1	76.1	76.1	76.1	76,1	76.1
≥ 3500 ≥ 3000	58,5	74.7	76.5	79.0 80.5	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81,5	81.5
≥ 2500 ≥ 2000	60.0	77.9	80.1	82.8	• •;	85.2 86.7	85.3 87.0	85.3 87.2	85.3	85.3 87.2	85.3	85.3	85.3	85.3	85,3	85.3
≥ 1800 ≥ 1500	60,2	78.7	81,4	84.0	86.7	86.9 88.5	87.2	87.4 89.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1200 ≥ 1000	60.6	79.5	82.1 82.8	85.3	88.8	88.9	89.6	89.7	89.9	90.0	90.2	90.2	90.2	90.2	90,2	90.2
≥ 900 ≥ 800	61.0	79.9 79.9	83.1	86.6		90.2	91.0	91.3	91.5	91.6	91.8	91.8	91.8	71.8 92.7	91,8	91.8
≥ 700 ≥ 600	61.0	79.9 30.1	83.6 83.7	87.0 87.4	91.0 91.3	91.3 91.8	92.4	92.7	92.9	93.0	93.4	93.4	93.5	93.5	93,5	93.5
≥ 500 ≥ 400	61.0	80.1 80.1	83.7 83.7	87.4	91.3	92.3	93,8	95.1	95.3 96.5	96.2	96.7 98.4	96.7 98.4	96.8 98.6	96.8 98.6	96.8 98.6	96.8
≥ 300 ≥ 200	61.0	80.1 80.1	83.7 83.7	87.5 87.5	21.5	92.4	94.9	96.5	96.7 96.7	98.1 98.1	98.6 98.9	98.6 98.9	98.7	98.7	98,9	99.2
≥ 100 ≥ 0	51.0 51.0	30.1 80.1	83.7 83.7	87.5 87.5	91.5	92.4	94.9	96.5	96.7	98.1 98.1	98.9 98.9	98.9	99.2	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATULOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93744 MARTIN MARIETIA AIRFIELD MD 70-78

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥ 5	≥4	≥3	≥21⁄2	≥ 2	≥1%	≥1¼	≥1	≥ 3⁄4	≥ %	≥ ½	≥ 5 16	≥ '4	≥0
NO CEILING ≥ 20000	45.1	50.6 54.9			51.6	51.8 56.1	52.0 56.3	52.0 56.3	52.0 56.3	52.0 56.3	52.0 56.3	52.0 56.3	52.0 56.3	52.0	52.0	52.0
≥ 18000 ≥ 16000	48.8	55.3	55.9	55.9 55.9	56.3	56.5	56.7	56.7	56.7 56.7	56.7 56.7	56.7 56.7	56.7	56.7 56.7	56.7 56.7	56.7	56.7
≥ 14000 ≥ 12000	49.2	56.3 58.4	56.9	56.9 59.0	57.3	57.6	57.8	57.8	57.8	57.8	57.8	57.8 59.8	57.8	57.8 59.8	57,8	-
≥ 10000 ≥ 9000	53.5	62.7	63.7	63.9	64.5	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9 65.1	64.9	64.9	64.9
≥ 8000 ≥ 7000	55.5	65.3	66.5	67.1	67.8	68.0	68.2 70.0	68.2	68.2 70.0	68.2	68.2 70.0	68.2	68.2 70.0	68.2	68,2	68 • Z
≥ 6000 ≥ 5000	58.4	68.8 70.6	70.0	70.8	71.4	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.5	71.6	71,8	71.8
≥ 4500 ≥ 4000	61.0	71.4 75.3	72.9	73.7 78.0	74.3	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7 79.0	74.7	74,7	74.7
≥ 3500 ≥ 3000	65.1	77.1 79.2	78.6	79.8 82.4	80.4	80.6	80.08 82.9	80.8	80.8	80.8	80.8	80.8 83.9	80.8	80.8	80,8	80.8
≥ 2500 ≥ 2000	67.3	80.6 81.8	83.1	84.5	85.3 87.4	85.7	85.9 88.6	85.9	85.9	85.9	85.9	85.9	85.9 88.6	85.9	85.9 88.6	85.9
≥ 1800 ≥ 1500	68.2	81.8 82.9	85.3 86.5	86.7 88.2	88.0	88.6 90.2	8 & 8	90.4	90.4	88.8 90.4	88.8	88.8 90.4	90.4	90.4	88.8	88.8
≥ 1200 ≥ 1000	68.6	82.9	86.7	88.2 88.6	90.2	90.2 91.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90,4	90.4
≥ 900 ≥ 800	68.6	03.1 03.1	86.7 86.7	88.6	90.4	91.2 92.2	91.4 92.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91,6	91.6
≥ 700 ≥ 600	68.6	63.1	86.7 86.7	89.2	91.6	92.2	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92,9	92.9
≥ 500 ≥ 400	68.6	83.1 83.1	87.1 87.1	90.0 90.0	92.4	93.9	94.7	95.7	95.7	95.9 98.0	95.9	95.9	95.9 98.2	95.9	95,9 98,2	95.9
≥ 300 ≥ 200 ≥ 100	68.6	83.1 83.1	87.1 87.1	90.0 90.7	92.4	93.9	94.7	96.5	96.5	98.2	98.6 98.8	98.6	99.0 99.2	99.0	99,0	99.0
≥ 100	68.6	83.1	87.1 87.1	90.q 90.q	92.4 92.4	93.9	94.7 94.7	96.3	96.5	98.2 98.2	98.8 98.d	98.9	99.2	99.2	99,2	99.8

TOTAL NUMBER OF OBSERVATIONS ...

USAF ETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR VEATHER SERVICE/MAC

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# CEILING VERSUS VISIBILITY

93744 MARTIN MARIETTA AIRFIELD MO 70-78

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#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
FEET	≥10	≥6	≥5	≥4	≥3	≥21/2	≥ 2	≥1%	≥14	<b>≵</b> 1	≥ ⅓	≥ 5/8	≥ 1/3	≥5 16	<b>≥</b> ¹₄	≥0
NO CEILING ≥ 20000	50.7	55.0	55.7 58.7	56.2	56.4	56.4 59.4	50.4	56.7	56.7	56.9	56.9	56.9		56.9		56.9
≥ 18000 ≥ 16000	53,2	59.7	59.4	-		60.1	60.1	60.4	60.4	60.6	59.9 60.6	59.9 60.6	50.6	59.9 60.6	59.9 60,6	59.5
≥ 14000 ≥ 12000	54.0	59.7	60.4	60.9	61.1	61.1	61.1	61.4	61.4	61.9	61.9	61.9	61.9	61.9	91.9	61.5
≥ 10000 ≥ 9000	58.2	65.3	66.8	67.3	67.6	67.6	57.6	67.8	67.8	68.3	61.9	68.3	68.3	68.3	68.3	68.3
≥ 8000 ≥ 7000	59.9	67.1	68.6	69.1	69.3	69.3	69.3	69.6	59.6	70.0	70.0	70.0	70.0	70.0	70,0	70 • 0
≥ 6000 ≥ 5000	62.6	70.5	72.0	72.5	72.8	72.8	72.8	73.0	73.0	73.5	73.5	73.5	73.5	73.5	71.3	71 a 3
≥ 4500 ≥ 4000	64.1	72.8	74.5	75.C	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3500 ≥ 3000	66.8	76.7	78.0 80.7	78.5	78.7	78.7	75.7	79.0	79.0	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 2500 ≥ 2000	70.3	80.0	82.2	82.9	83.2	83.2	83.2	83.4	83.4	83.9	83.9	83.9	82.2	83.9	93,9	82.9
≥ 1800 ≥ 1500	70.3	50.0 80.9	82.9	83.7	83.9	83.9	83.9	64.2	84.2	84.7	84.7	84.7	84.7	84.7	84,7	84.7
≥ 1200 ≥ 1000	71.0	51.9 82.7	84.9	86.4	86.6	86.6	86.6	86.9	86.9	87.4	86.1	87.4	87.4	86.1	86.1	86.1 87.4
≥ 900 ≥ 800	71.3	82.7	85.6	87.1	87.6 88.1	87.6 88.1	87.9	88.1	88.1	88.6	88.6	88.6	88.6 96.6	88.6	88,6	88 • 6 88 • 6
≥ 700 ≥ 600	71.5	82.9	86.4	88.6	90.1	90.1	9,8	91.1	91.1	91.6	91.6	91.6	91.6	91.6	91.6	89.6 91.5
≥ 500 ≥ 400	71.5	63.2 83.2	86.9	89.1	91.6	-	95.8	94.8	94.8	95.3	95.3	95.3	93.1	93.1		93.1 95.3
≥ 300 ≥ 200	71.5	83.2 83.2	86.9	89.1	91.6		94,6	96.3	96.5	96.3	98.3	98.3	98.5	98.5	99,0	97.0
≥ 100 ≥ 0	71.5	03.2	86.9	89.1			94.6	96.3	96.5	98.8 98.8	98.8 98.8	98.8	99.3	99.31 99.31	00.01	00.0

TOTAL NUMBER OF OBSERVATIONS \_\_ \_

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLORY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

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### CEILING VERSUS VISIBILITY

93746 MARTIN MAKIETTA AIRFIELD MI) 70-78

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	ES,						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥21⁄2	≥ 2	≥11/2	≥14	≥1	≥ 1/4	≥ ¾	≥%	≥5 16	≥ '4	≥0
NO CEILING ≥ 20000	36.3 39.1	45.0 49.2	46.0 50.5	46.8 51.3	47.5 52.1	47.6 52.2	47.6 52.3	47.9 52.6	47.9 52.6	48.0 52.7	48.0 52.8	48.1 52.8	48.1 52.8	48 • 1 52 • 8	48.1 52.8	48.1
≥ 18000 ≥ 16000	39.3	49.5	50.6 50.8	51.6 51.5	52.4 52.4	52.6	52.7	52.9 52.9	52.9	53.0	53.1 53.1	53.1 53.1	53.2 53.2	53.2 53.2	53,2	53.2
≥ 14000 ≥ 12000	40.0	50.7 52.3	52.1	52.9	53.8 55.4	53.9	54.0 55.6	54.2 55.9	54.2	54.4 56.0	54.4 56.1	54.5 56.1	54.5	54.5 56.2	54.5 56.2	54.5
≥ 10000 ≥ 9000	43.5	56.6 57.2	58.4	59.6	60.9	61.1 61.7	61.2 61.8	61.4	62.1	61.5	61.6	61.6	62.6	61.7	61,7	61.8
≥ 8000 ≥ 7000	45.7	60.1	62.2	63.8	65.0	65.3	65.2	65.6	65.6	67.3	65.8	65.8 67.5	65.9	67.5	65.9	67.0
≥ 6000 ≥ 5000	47.4	63.3	65.4	67.2	71.0	68.8	60,9 71,03	69.2 71.5	71.6	69.3	69.4 71.8	69.4	69.5	69.5 71.9	71.9	72.0
≥ 4500 ≥ 4000	50 · 1	67.1 70.3	69.5 72.8	71.4	72.9	73.1 76.7	73.3	73.5	73.5	73.7	73.7	73.8	73.8	73.8	73,8	73.9
≥ 3500 ≥ 3000	54,1 55.2	72.0	74.6	78.9	78.4 80.4	78.7	78,8 81.2	79.1 81.5	79.1	79.3	79.3	79.4 81.7	79.4	79.4	79,4 81,8	79.5
≥ 2500 ≥ 2000	56.0 56.3	75.2	78.3 79.2	99.5 81.5	82.7	83.0	3.2 E4.5	83.5 8449	83.5	83.7 85.1	93.8 85.2	83.8	85.2	83.9	83,9 85,3	84.0
≥ 1800 ≥ 1500	56.3 56.6	75.9 75.7	79.3	82.0 83.1	84 • 1 85 • 4	84.5 85.9		35.0	85.0	85.2	85.3	85.4	85.4	85.4	85,4	85.6
≥ 1200 ≥ 1000	56.6 56.7	77.0	80.6	84.3	86.1 86.5	86.6 87.5	87.9	57.3	37.3 38.5	67.5	87.6	87.7 88.9		87.8	87,8	67.9 69.1
≥ 900 ≥ 800	56.7 56.7	77.5	81.2	84.5 #5.0	87.2	87.8	98.2	8.88 90.0	88.8	89.0 90.2	90.4	90.4	90.5	90.5	90.5	90.5
≥ 700 ≥ 600	56.7 56.7	77.5	81.7	85.4 85.7	89.4	90.7	9.05	91.2	91.3	91.3	91.7	91.8	91.8	91.8	91.9	93.1
≥ 500 ≥ 400	56.7 56.7	77.7	82.1 82.1	86.0	89.8	91.3 91.6	92.8	94.4	94.6	95.2	95.4	95.5	97.6	95.6	95,6	95.8
≥ 300 ≥ 200	56.8 56.8	77.8	82.1 82.1	86.1	90.2	91.8	93.7	95.8	96.0 96.1	97.4	97.0	97.9	90.9	98.4	98.6	98.9
≥ 100 ≥ 0	56.8 56.8	77.8	82.1	86.1	90.2	91.8 91.8	93.7	95.9	96.1 96.1	97.4	98.2	98.2	98.9	98.9		100.9

TOTAL NUMBER OF OBSERVATIONS

3249

USAF ETAC FORM 0-14-5 (OL A), PREVIOUS EDITIONS OF THIS FORM ARE COMPOSETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93766 MARTIN MARIETTA ALBEIELD MD

70-75

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<del>\_0600#6890</del>

CEILING							VIS	IBILITY (STA	TUTE MILI	ES)						
FEET	≥10	≥6	≥ 5	≥4	≥3	≥2%	≥ 2	≥1%	21'₄	≥1	≥ 3⁄4	≥ ⅓	≥ %	≥ 5, 16	≥ ′4	≥0
NO CEILING ≥ 20000	37.0 40.2	44.9	44.9	45.6	46.2 50.6	46.2	46.5	46.8	46.8	46.8	46.8 51.3	46.8 51.3	46.8 51.3	45.8 51.3	46.8	46.6
≥ 18000 ≥ 16000	40.5	49.4	49.4	50.0 50.0	50.9	50.9 50.9	51.3	51.6	51.6	51.6 51.6	51.6 51.6	51.6	51.6 51.6	51.6 51.6	51.6	51.5
≥ 14000 ≥ 12000	40.8	49.7	49.7	50.3 52.5	51.3 53.5	51.3 53.5	51.6 53.8	51.9 54.1	51.9	51.9 54.1	51.9 54.1	51.9 54.1	71.9 54.1	51.9	51,9	51.5
≥ 10000 ≥ 9000	44.9	55.1 55.7	56.0 56.6	57.0 57.6	57.9 58.5	57.9 58.5	51: • 2 51: • 9	58.5	58.5	58.5 59.2	58.5 59.2	58.5	58.5 59.2	58.5 59.2	58,5	58.5
≥ 8000 ≥ 7000	47.8	59.2 50.4	60.4	61.4	62.3	62.3	62.7	63.0	63.0	63.0	63.0	63.0	43.0	63.0	63,0	63.0
≥ 6000 ≥ 5000	50.9	62.7	63.9	64.9	65.8	65.8	66.1	66.5	66.5	66.5	06.5	66.5	56.3 71.8	66.5 71.8	66,5	66.5
≥ 4500 ≥ 4000	54.7 56.3	68.0 70.9	39.9 72.8	71.8	72.8	72.8	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 3500 ≥ 3000	57.3 57.6	72.2	74.4	76.6	78.2	78.2	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79,1	79.
≥ 2500 ≥ 2000	58,2 58,2	73.4	77.5	80.1	82.3	82.3	83,2 84.2	83.5	83.5	83.9	83.9	83.9	83.9 84.8	83.9 84.8	83,9	83.
≥ 1800 ≥ 1500	58.2 58.5	74.1	78.8	81.3	84.2	84.2 86.1	85,1 87.0	87.3	85.4	85.8	85.8 87.7	85.8	95.8	87.7	85,8	83.
≥ 1200 ≥ 1000	58.5 38.9	75.3	80.7	83.2	86.1	86.4	87.7 89.2	88.0	89.6	88.3	88.3	88.3	89.3	86.3	88,3	88.
≥ 700 ≥ 800	58.9	75.6	82.0	84.5	87.7	88.0	99.2	89.6	89.6	89.9	89.9 91.5	89.9	91.5	89.9	89,9	69.
≥ 700 ≥ 600	58.9 58.9	76.6 74.9	92.9	85.8 86.1	89.6	90.2	91.8	92.1	92.4	92.7	92.7	92.7	92.7	92.7	92,7	92.
≥ 500 ≥ 400	58.9 58.9	76.9 76.9	83.5	86.4	90.2	90.8 90.8	92.7 92.7	93.7	94.3	95.9	96.2	96.5	96.5	96.5	96,5	95.
≥ 300 ≥ 200	56.9 58.9	76.9 75.9	83.5	86.4 86.4	90.2	90.8 90.8	92.7	94.0	94.6	96.2	97.2	97.5	97.5	97.5	97,8	97.
≥ 100 ≥ 0	58.9 58.9	76.9	83.5	86.4	90.2	90.8	92.7	94.0	94.6	96.2	97.2	97.5	97.5	97.8	98.1	98.

TOTAL NUMBER OF CASERVATIONS

316

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATGLORY BRANCH USAFETAC AIR "EATHER SERVICE/- AC

## **CEILING VERSUS VISIBILITY**

Q

93744 MARTIN MARIETTA AIRFIELD MD 70-78

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0500-1100

CEILING		····					VIS	BILITY /ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥ 5	≥4	≥3	≥21⁄2	≥ 2	≥11/2	≥1¼	≥1	≥ 34	≥%	≥ ⅓	≥5 16	≥14	≥0
NO CEILING ≥ 20000	32.4	41.6	42.2	42.6	43.0 48.0	43.0	43.2	43.3	43.3	43.3	43.5	43.5	43.5	43.5	43,5	43.5
≥ 18000 ≥ 16000	36,0 36,0	45.4	47.4	47.7	48.2	48.5	43.6	48.8	48.8	48.8 48.8	48.9	48.9	48.9	48.9	48,9	48.9
≥ 14000 ≥ 12000	36.8 38.4	47.4	48.5	48.8	49.2	49.5	49.7	49.8	49.8	49.8	50.0	50.0	50.0	50.0 51.8	50,0	50.0
≥ 10000 ≥ 9000	40.7	57.3 54.3	54.7	55.3	95.8	56.1 57.4	56.2	55.4	56.4	56.4	56.5	56.5	56.5	56.5 57.9	56,5	56.7
≥ 800∩ ≥ 7000	43.U	57.3 59.8	58.0	59 6	62.0	60.8	50.9	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	
≥ 6000 ≥ 5000	45.0	60.8	62.3	68.1	64.0	64.6	64,7	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65,0	65 • 2 70 • 1
≥ 4500 ≥ 4000	47.6	64.0 71.3	67.9	69.3 75.2	70.1	70.7	78	71.0	71.0 76.9	71.0	71.1	71.1	71.1	71.1	71,1	71.3
≥ 3500 ≥ 3000	51.2 51.7	72.3 73.4	74.8	76.7 78.4	77.5	79.4	78.7	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.2
≥ 2500 ≥ 2000	52.0 52.0	74.8	77.7	74.9 80.7	80.9	82.1	62.5	32.7	82.7	82.7	82.8	82.8	32.8	82.8	82.8	83.0
≥ 1800 ≥ 1500	52.0	75.4 75.7	78.6	80.9 81.3	81.9	83.3	83.7	84.0	84.0	84.0	84.2	84.2	84.2	84.2	84,2	84.3
≥ 1200 ≥ 1000	52.0	76.5	79.9	82.4	83.6	85.1	35.7	86.0	86.0 87.4	86.2	86.3	86.3	86.3	86.3	86,3	86.5 87.8
≥ 900 ≥ 800	52.1	77.1 77.1	80.7 81.3	83.3 83.9	84.7	46.5	37.4 89.2	87.7	87.7	87.8	88.0	88.0	88.0 90.1	88.0	88.0	89.1 90.2
≥ 700 ≥ 600	52.3	77.5	81.9	84.7	87.1	89.2	90.3	90.9	91.2	91.3	91.8	91.8	91.8		91,8	91.9
≥ 500 ≥ 400	52.3	77.5	82.2	85.0	87.5	89.7	91.0	93.2	93.5	94.1	95.3	95.3	95.4	95.4	95,4	95.6
≥ 300 ≥ 200	52.3	77.8	92.2 62.2	85.0	87.5	90.0	92.2	93.8	94.2	95.4	97.0	97.1	97.7	97.7	97,7	97.9
≥ 000	52.3	77.8	82.2	85.0	87.5	90.0	92.2	93.8	94.2	95.4	97.0	97.1	97.7	97.7	98,2	99.2

USAF ETAC JUL 64 0-14-5 (OL A) PROVIDUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

## **CEILING VERSUS VISIBILITY**

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93764 MARTIN MARIETTA AIRFIELD MD 70-76

DEC

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	BILITY (ST	ATUTE MIL	.ES;						
FEET	≥10	≥6	≥5	≥4	≥3	≥21/2	≥2	≥1½	≥1¼	≥1	≥ 3,4	≥ 5%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	34.1	41.8 46.5	42.8	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43,2	43.2
≥ 18000 ≥ 16000	37.8	47.1	48.5	48.8	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49,5	49.5
≥ 14000 ≥ 12000	38.6 39.5	48.1	49.3	49.8 51.8	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50 · 4	50.4	50.4	50.4	50 · 4
≥ 10000 ≥ 9000	42.1	54.0 54.4	55.8 56.3	56.5 56.9	57.4	57.5 58.0	57.5	57.5	57.5	57.5 58.0	57.5	57.5	57.5	57.5	57,5	57.5 58.0
≥ 8000 ≥ 7000	43.4	56.3 57.4	58.2	59.1	60.2	60.5	60,5	60.5	60.5	60.5	60.5	60.5	6C.5	60.5	60,5	60.5
≥ 6000 > 5000	44.9	58.5 63.0	50.5	61.6	62.5	62.8 67.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 4500 ≥ 4000	49.9	55.5 70.9	58.0	69.1	70.1	70.5	70.5 76.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70,5	70.5
≥ 3500 ≥ 3000	54.4	73.1 74.5	75.4	77.1 78.5	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78,7	78.7
≥ 2500 ≥ 2000	56.5	75.6 76.7	78.1 79.3	79.9	81.3	91.8	82.U	32.0	82.0	82.0	82.0	82.0	32.0	82.0	82,0	82.0
≥ 1800 ≥ 1500	56.9 56.9	74.8 77.3	79.5 30.1	81.5 82.1	83.5	84.0	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84,3	84.3
≥ 1200 ≥ 1000	57.1 57.1	77.6	80.6 80.9	82.6 83.0	85.4	85.8 86.8	85.0	85.2	86.2	86.5	86.5	86.5	86.5	86.5	86,5	86.5
≥ 900 ≥ 800	57.1 57.1	77.8 78.2	80.9 81.8	83.0	86.3	86.9	87.2	87.4	89.1	87.7	87.9	87.9	87.9	87.9	87,9	87.9
≥ 700 ≥ 600	57.1 57.1	79.4 78.4	82.3	84.4	87.9	88.6	89.4	89.6	89.6	90.4	90.8	90.8	90.8	90.8	90,8	90.8
≥ 500 ≥ 400	57.1 57.1	79.4 78.7	82.9	85.1 85.4	89.0	90.0	91.3	92.4	92.4 93.8	93.6	94.4	94.4	94.9	94.9	94,9	94.9
≥ 300 ≥ 200	57.1 57.1	78.7 78.7	82.9	85.4	89.3	90.7	92.4	93.8	94.1	96.1	97.2	97.2	98.3	98.4	98,4	98.4
≥ '00 ≥ 0	57.1 57.1	78.7 78.7	82.9	85.4 85.4	89.3	90.7	92.4	93.8	94.1	96.3 96.3	97.4	97.4	96.6	98.9	99.1	99.8

TOTAL NUMBER OF OBSERVATIONS ....

-643

USAF ETAC RIL 64 0-14-5 (OL A) PREVIOUS PORTIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR BEATHER SERVICE/MAC

## **CEILING VERSUS VISIBILITY**

93744 MARTIN MARIETTA ALPFIELD MO

70**=7**11

DEC

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	IBILITY (STA	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	בינ ≤	≥2	≥1½	≥1¼	≥1	≥ ¾	≥ 5/8	≥ %	≥ 5 16	≥ '4	≥0
NO CEILING ≥ 20000	39.3 43.3	43.5	44.2 50.1	44.2 50.1	44.2 50.1	44.2 50.1	44.2 5.1	44.2 50.1	44.2	44.2 50.1	44.2 50.1	44.2	44.2 50.1	44.2	44,2 50.1	44.2 50.1
≥ 18000 ≥ 16000	43.7	49.6	50.4	50.4 50.4	50.4 50.4	50.4	50.4 50.4	50.4 50.4	50.4 50.4	50.4 50.4	50.4 50.4	50.4 50.4	50.4 30.4	50.4 50.4	50,4 50.4	50.4
≥ 14000 ≥ 12000	45.0 47.0	57.9	76.00	52.1 55.5	52.1 55.6	52.1 55.6	52.1 55.6	52.1 55.6	52.1 55.6	52.1 55.6	52.1 55.6	52.1 55.6	52.1 55.6	52.1 55.6	52,1 55,6	52 · 1 55 · 6
≥ 10000 ≥ 9000	50.1 50.3	57.8 58.0	59.0	59.7 59.9	59.9	60.0	60.0 60.2	60.0 60.2	60.0 60.2	60.0	60.0 60.2	60.0 60.2	60.0	60.0	60,0	60.0
≥ 8000 ≥ 7000	51.6	60.9	62.1 65.1	62.9	63.4	63.6	63,7	63.7 66.8	63.7	63.7	63.7	63.7	63.7	63.7	63,7	63.7
≥ 6000 ≥ 5000	53.8	64.9	66.3 71.3	67.1	72.5	68.0 72.7	68 · 1	68 • 1 72 • 8	68 · 1	98.1 72.8	68.1 72.8	68 • 1 72 • 8	58.1 72.8	68 · 1 72 · 8	68,1 72.8	68 · 1 72 · 8
≥ 4500 ≥ 4000	60,4	72.5 74.5	74.4	75.2 77.6	75.9 78.2	76.1 78.6	76.2 75.6	76.2	76.2	75.2 78.6	76.2 78.6	76.2 78.6	76.2 78.6	76.2 78.6	76.2 78.6	76.2
≥ 3500 ≥ 3000	62.6	75.5	77.4	78.8	79.4	79.6 81.1	79.8	79.8	79.8	19.8	79.8	79.8	79.8	79.8	79,8 81,3	79.8
≥ 2500 ≥ 2000	63.9	77.9	79.9	81.4 82.1	83.1	83.6	84.3	83.8	84.0	84.7	84.0	84.0 84.8	84.0	84.0	84.0	84.0
≥ 1800 ≥ 1500	64.2	78.6 78.9		82.3 82.6	84.0	84.5	84.7 85.3	85.7	84.8	85.0	85.2	85.2 85.8	85.2 85.8	85.2	85,2 85,8	85.2 85.8
≥ 1200 ≥ 1000	64.2	79.1 79.6	81.1 81.6	82.8	86.2	85.3 86.7	85.5	85.5 87.0	85.7	85.8	86.0	86.0	86.0	86.0	86,0 88,2	86.0
≥ 900 ≥ 800	64.6	79,9 30.6	Eacl	84.1 85.2	86.8 85.4	88.9	87.7	67.7	87.9	88.7	90.6	90.5	90.9	90.9	90.9	90.9
≥ 700 ≥ 600	64,6	81.8 <u>50.8</u>	83.3	65.3 55.3	88.9	89.4 90.1	89.9	90.2	90.4 31.1	91.2	91.6	91.6	91.9	91.9	91,9	91.9
≥ 500 ≥ 400	64.6	87.8 81.1	83.6	85.3 85.8	90.2	9C.4	91.1	91.7	92.1	93.8	94.6	94.6	95.3	95.3 97.0	95,4	95.6
≥ 300 ≥ 200	64.6	81.1	83.6	85.8 85.8	90.2	91.1 91.1	92.1	92.9	93.3	95.8	97.6	97.6	98.7	98.7 99.3	98,8	99.0
≥ 100 ≥ 0	64.6	31.1 81.1	83.6	85.8 85.8	90.2	91.1 91.1	92.1	92.9	93.3	95.8 95.6	98.0 96.0	98.3	99.3	99.3 99.3		100 • 0 100 • 0

TOTAL NUMBER OF OBSERVATIONS

593

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLUGY BRANCH USAFFTAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93746 MARTIN MARIETTA ATREIELD MD 70-78

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	BILITY (STA	TUTE MILE	ES)			· · · · · · · · · · · · · · · · · · ·			
FEET	10 جے	≥6	≥5	≥4	≥3	≥21⁄2	≥ ?	≥11/4	≥14	≥1	≥ 3,4	≥ ⅓	≥ %	≥ 5-16	≥ ¼	≥0
NO CEILING ≥ 20000	48.6 51.4	57.5 57.6	53.7 57.9	53.7 57.9	53.9 58.3	53.9 56.3	53.9 58.3	53.9 58.3	53.9 58.3	54.1 58.5	54.1 58.5	54.1 58.5	54.1 58.5	54.1 58.5	54,1 58.5	54 • 1 58 • 5
≥ 18000 ≥ 16000	51.4 51.4	57.6 57.6	57.9 57.9	57.9 57.9	58.3 58.3	58.3 58.3	48.3 PB.3	58.3 58.3	58.3 58.3	58.5 58.5	58.5 58.5	58.5 58.5	58.5 58.5	58.5 58.5	58.5 58.5	58.5 58.5
≥ 14000 ≥ 12000	52.3 55.4	58.5	58.7	58.7 62.2	59.1	59.1 62.6	59.1	59.1	59.1	59.3	59.3	59.3	59.3	59.3 62.8	59.3	59.3 62.8
≥ 10000 ≥ 9000	59.1 59.5	66.5 06.7	56.7 67.1	66.7	57.1 67.5	67.1 67.6	67.6	67.1	57.1 67.6	67.4	67.4 67.8	67.4	67.4 67.8	67.4 67.8	67,4 67,8	67.4
≥ 8000 ≥ 7000	62.2 64.7	70.2	70.7 73.1	70.7 73.1	71.5	71.5	71.5 74.0	71.5 76.0	71.5	71.7	71.7	71.7 74.2	71.7 74.2	71.7	71,7	71.7
≥ 6000 ≥ 5000	69.2	73.8 78.3	74.2 78.9	74.2 78.9	75.0	75.0 79.8	75.0 75.8	75.0 79.8	75.0	75.2 80.0	75.2	75.2 80.0	75.2	75.2	75,2 80,0	75 • 2 80 • 0
≥ 4500 ≥ 4000	69.8 70.5	78.9 <u>40.0</u>	79.5 80.5	79.5 80.8	RO.4	80.4	90.4 81.6	81.6	81.6	80.6	80.6 81.8	80.6 81.8	80.6	80.6	80.6	81.8
≥ 3500 ≥ 3000 ≥ 2500	71.5	81.4	82.2	82.2	86.3	84.3	63.1 84.3	83.1	83.1	83.3	83.3	84.5	84.5	83.3	84,5	83.3
≥ 2000	72.7	87.1 <u>63.3</u>	84.7 84.9	84.7	85.5	85.5	85.5	85.5 85.0	85.7	86.0	86.0 86.0	86.0 86.4	86.0 86.6	86.0 86.6	86,0	86.0 86.4
≥ 1500	72.9 73.6 74.0	83.3 54.3	84.9 86.4	84.9 86.8	86.0 88.6 89.5	86.0 88.4 89.5	36.0 86.4 89.5	86.0	89.9	86.4 88.8 90.1	86.4 88.3 90.1	86.4 88.8 90.1	86.4 88.8 90.1	86.4 88.8 90.1	86,4 88,8 90.1	86.4 88.8 90.1
≥ 1000	74.2	55.5 55.5	87.8 87.8	88.4	90.7	90.7	9.7	90.7 90.7	71a1 91a1	91.7	91.7	91.3	91.7	91.7	91.7	91.3
≥ 800	74.2	85.5	88.0	88.6 88.8	91.3	91.5	91.7 92.1	92.1	92.1	92.8	92.6	93.4	92.8 93.4	92.8	92.8	92.5
≥ 600 ≥ 500	74.2	35.5	88.0 88.0	88.88	91.5	91.9	92.4	94.0	93.0 94.4	93.6	94.0	94.0	94.2 96.1	94.2	94.2	94.2 96.1
≥ 400	74.2	85.5	88.0	88.8	91.7	92.6	94.2	94.0	95.0	95.9	96.5	96.5	97.1 98.1	97.1	97,1	97.1
≥ 200	74.2	85.5 85.5	88.0	88.8	91.7 91.7	92.6	94.2	94.6	95.0 95.0	96.3	97.9 98.1	97.9 98.1	99.4	99.2	99.2 99.6	99.4
≥ 0	74.2	5 م 5 ہ	88.0	88.8	91.7	92.5	94.2	94.6	95.0	96.3	98.1	98.1	99.4	99 6	99.6	100-0

TOTAL NUMBER OF OBSERVATIONS \_\_

USAF ETAC JUL 64 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE CRESCLETE

GLOBAL CLIMATGLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93744 MARTIN MARIETTA AIRFIELD MID 70-78

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							VISI	BILITY (STA	TUTE MILE	(S)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥21⁄2	≥ 2	≥1%	≥1¼	≥1	≥ ¾	≥ 3/8	≥ %	≥5 16	≥ ¼	≥0
NO CEILING ≥ 20000	53.7	56.2 58.5	56.2 58.5	56.2 58.5	56.2 58.5	56.2 58.5	56.2 58.5	56.2 58.5	56.2 58.5	56.5 58.7	56.5 58.7	56.5 58.7	56.7 59.0	56.7 59.0	56,7 59.0	56.7 59.0
≥ 18000 ≥ 16000	55.2 55.2	59.5 58.5	58.5 58.7	58.5 58.7	58.5 58.7	58.5 58.7	55 58.7	58.5 58.7	58.5 58.7	58.7 59.0	58.7	58.7	59.0 59.2	59.0 59.2	59,0 59,2	59.0 59.2
≥ 14000 ≤ 12000	55.7 58.7	59.0	59.2 62.5	59.2	59.2	59.2 62.5	59.2	59.2	59.2	59.5	59.5	59.5 62.8	59.7	59.7	59.7	59.7
≥ 10000 ≥ 9000	63.0	57.1 08.1	67.3 68.4	67.3	67.3	67.3	67.3	68.4	67.3	67.6	67.6	67.6 68.6	67.8	67.8 68.9	57,8 68,9	67.8
≥ 8000 ≥ 7000	66.3	7^.9 72.2	71.1	71.1 72.4	71.6	71.6	71.6	71.6	71.6	71.9	71.9	71.9	72.2	72.2	72,2	72.2
≥ 6000 ≥ 5000	69.6	74.4	74.9 78.7	74.9	75.4	75.4	75.4	75.4	75.4 79.2	75.7 79.5	75.7	75.7	75.9 79.7	75.9	75,9 79,7	75.9 79.7
≥ 4500 ≥ 4000	72.7	78.0	78.7 80.0	78.7 80.3	79.2	79.2 81.3	79.2	79.2 81.3	79.2 81.3	79.5 81.5	79.5	79.5	79.7 81.8	79.7	79,7	79.7 81.8
≥ 3500 ≥ 3000	74.4	01.0	81.6 82.5	82.9	83.8	83.0 83.8	83.3	83.3	83.3	83.5	83.5	83.5	83.8 84.6	83.8	83,8	83.8
≥ 2500 ≥ 2000	75.2 75.4	43.0	84.1 85.3	84,5 85.8	85.6 86.0	85.6	Я <b>5,8</b> Э <b>7.1</b>	85.8	85.0	66.1 67.3	86.1	86.1 67.3	86.3 87.6	86.3	86,3	86.3 67.6
≥ 1800 ≥ 1500	75.7	83.3	85.6 85.8	86.1 86.3	87.1 87.3	87.1 87.3	87.5	87.3	87.5	87.6 88.1	87.6 88.1	87.6 88.1	87.8	87.8	87,8	87.8
≥ 1200 ≥ 1000	76.2	84.8 84.8	87.1 87.1	87.6 87.6	88.6	88.9	99,4	90.4	90.4	90.9	89.9 90.9	90.9	90.1	90 • 1 91 • 1	90,1 91,1	90 • 1 91 • 1
≥ 970 ≥ 800	76.2	84.A	87.1 87.3	87.6 88.1	89.1	99.4	90.4 91.1	90.4	90.4 91.1	90.9	90.9	90.9	91.1 91.9	91.1 91.9	91,1 91,9	91.9
≥ 700 ≥ 600	76.2	85.1	27.3 87.3	88.1	89.9	90 1 90 1	91.4	91.4	91.4 91.4	92.2	92.2	92.2	92.4	92.4	92,4	92.4
≥ 500 ≥ 400 ≥ 300	76,2 76.2	85.1	87.6	86.6 88.6	90.4	90.9	93.4	93.4	93.4	94.2	94.2 95.7	94.7	95.9	94.4	95.9	94.4
≥ 200	76.2	85.1	87.5	88.6	90.4	91.6 91.6	94,4	94.9	94.9 94.9	95.9	95.9 96.5	95.9	96.7	96.7 98.0 98.7	96,7	96•7 98•7
≥ 100	76.2 76.2	85 • 1 85 • 1	87.6	88.6	90.4	91.6 91.6	94.4	94.9	94.9	95.7	96.7 96.7	97.2	98 <b>•5</b>	98.7	99,2	99.7 100.0

TOTAL NUMBER OF OBSERVATIONS \_

USAF ETAC JULI 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFFTAC AIR WEATHER SERVICE/MAC

## **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (\$1

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)	··-·			, <u>,, , , , , , , , , , , , , , , , , , </u>		
FEET	≥10	≥6	≥5	≥4	≥3	≥2';	≥2	≥1%	≥1'4	≥1	≥ 14	≥%	≥ 17	≥ 5/16	≥ 14	≥0
NO CEILING ≥ 20000	39.8	46.1 50.5	46.6	46.7 51.4	47.0 51.8	47.0 51.9	47.1 51.9	47.1	47.1 52.0	47.2 52.1	47.2 52.1	47.2	47.3 52.1	47.3 52.1	47.3 52.1	47.3 52.1
≥ 18000 ≥ 16000	43.2	50.8 50.8	51.4 51.5	51.7 51.7	52,1 52,1	52.1 52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.4	52.4	52.4 52.4	52.4
≥ 14000 ≥ 12000	44.0	51.7 54.2	52.4 54.9	52.7 55.3	53.1 55.7	53.1 55.8	53.2 55.9	53.3 55.9	53.3	53.3 56.0	53.4	53.4 56.0	53.4 56.1	53.4 56.1	53,4 56.1	53.4 56.1
≥ 10000 ≥ 9000	49.0	59.3 59.9	59.4 60.0	59.9 60.5	60.4	60.5	65.6 51.2	60.6	60.6	60.7	60.7	60.7	60.8	60.8	60,8	60.8
≥ 8000 ≥ 7000	51.2 52.4	61.7	62.9 64.7	63.5	64.3	64.5	64.6	64.6	64.6	64.7	64.7	64.7	64.8	64.8	64,8	64.8
≥ 5000 ≥ 5000	53.6 56.5	69.2	56.3 70.8	67.0 71.7	57.8 72.5	68.0	68.1 72.8	68.2	68.2 72.9	68.2 73.0	68.3 73.0	68.3 73.0	68.3 73.0	68.3 73.0	68.3 73.0	68.3 73.1
≥ 4500 ≥ 4000	57.9 59.8	71.0	72.6	73.5	74.3	74.5 78.2	74.6 73.4	74.7	74.7	74.7	74.7 78.5	74.7	74.8	74.8 78.6	74,8	74.8
≥ 3500 ≥ 3000	60.8	75.6	77.4 78.0	78.7 80.0	79.7	80.0	8: •2 81•7	80.3 81.8	80.3 81.8	80.3 81.9	80.3 81.9	80.3	80.4	80.4	80,4	80.4
≥ 2500 ≥ 2000	62.1 62.3	77.7	80.1 80.9	81.6	82.9	83.3 84.4	32.6 P4.7	83.7 8 <b>. 6</b> ii	83.7	83.8	83.9	83.9	83.9	83.9	83,9	83.9
≥ 1800 ≥ 1500	62.3	79.4	81.1 81.8	82.6	84.2	84.7	84.9 85.0	85.1 86.1	55.1 86.2	85.3	85.3	85.3 86.4	85.4	85.4	85.4	85.4
≥ 1200 ≥ 1000	62.6	79.5 79.9	82.5	84.1	87.0	86.6	87.0 88.3	67.1 88.4	87.2 88.5	87.5 88.9	87.5	87.5 89.0	87.6 89.0	87.6 89.0	87,6	87.6
≥ 900 ≥ 800	62.8 62.8	80.0 80.4	83.1 83.7	85.6	87.2 88.4	87.9 89.2	88 <b>,5</b> 90,0	90.1	88.7 90.2	89.2 90.7	89.3 91.0	89.3	89.4 91.1	89.4 91.1	91.1	91.1
≥ 700 ≥ 600	62.8	60.5	84.0	86.0 86.1	88.9	89.8 90.1	97.6	90.9	91.1 91.8	91.6	91.9	91.9	92.0	92.0 93.1	92,0	92.1
≥ 500 ≥ 400	62.8	გი.5 გე.7	84.2 84.4	86.3 86.4	89.5 89.7	91.0	92.2 92.8	92.9	93.2	94.3	95.0	95.0	95.4 96.9	95.4 96.9	95,4	95.5
≥ 300 ≥ 200	62.8	80.7 87.7	84.4	86.4 86.4	89.7	91.0	92.9	93.9	94.3	95.9 95.0	97.1	97.2	97.9 96.4	98.0	98,1 98,7	98.1
≥ 100 ≥ 0	62.8 62.8	60.7	84.4	86.4	89.7	91.0	92.9	93.9	94.3	96.1 90.1	97.4	97.6	98.5 98.5	98.7 98.7	99,0	99.6 100.0

TOTAL NUMBER OF OBSERVATIONS

3089

USAF ETAC FORM 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM AND OBSOLETE

GLOBAL CLIMATULBRY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93766 MARTIN MAKIETTA AIRFIELD MO 70-79

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING				<del></del>			VIS	BILITY (ST	ATUTE MILI	ES)					······································	
(FEET)	≥10	≥6	≥ 5	≥4	≥3	22%	≥ 2	≥1½	≥1¼	<b>≥</b> 1	≥ 1,4	≥%	≥ ⅓	≥5 16	≥ '4	≥0
NO CEILING ≥ 20000	34.6	45.6 50.6	48.2	50.1 55.7	51.5	51.9 57.8	52.2 5::-1	52.3 58.2	52.3 58.2	52.3 58.2	52.3 58.3	52.3 58.3	52.3 58.3	52.3 58.3	52,4 58.3	52.4 58.3
≥ 18000 ≥ 16000	37.9 37.9	50.9 51.0	53.9	56.0 56.1	57.7 57.7	58.1 58.2	50.4 50.4	58.5 58.6	58.5 58.6	58.6 58.6	58.6 58.7	58.6 58.7	58.6 58.7	5° . 6	58.6 58.7	58.6 58.7
≥ 14000 ≥ 12000	38.5	51.8 53.5	54.8 56.6	57.0 58.9	58.7	59.2 61.1	50.4	59.5 51.5	59.5	59.6	59.6	59.6	59.6 61.6	59.6 61.6	59,6	59.7 -61.6
≥ 10000 ≥ 9000	41.3	54.8 57.9	60.3 51.0	62.5	64.3 65.5	65.3 66.1	65.6	65.9 66.5	65.8 66.5	65.8 66.6	65.9 66.7	65.9 66.7	65.9	65.9 66.7	65.9	65.9
≥ 8000 ≥ 7000	42.9	50.9 61.9	63.6 65.2	66.4	68.5	69.1 70.9	57.4 71.2	69.6 71.5	69.6 71.5	69.7	69.7 71.6	69.7 71.6	69.8	69.8 71.6	71.6	69.8 71.6
≥ 6000 ≥ 5000	44.4 45.8	62.7	66.6	72.5	74.9	72.5 75.6	72.9	73.1 75.2	73.1 76.2	73.2	73.2	73.2	73.2	73.2	76.4	75.3
≥ 4500 ≥ 4000 ≥ 3500	46.6	68.7	70.4	73.7 76.7	76.2	76.8 0.08	77.3 2.4.5	77.4 80.7	77.5 80.7	77.6 80.8	77.6	77.4 80.9	80.9	77.7	80.9	77.7 80.9
≥ 3000	48.9	77.0	74.7	78.3 80.2	83.1	81.7	84.2	84.7	84.7	82.6	92.5 84.9	84.9	82.7	82.7	85.0	82.7 85.0
≥ 2500 ≥ 2000 ≥ 1800	50.1 50.4	72,5	77.6 78.5	22.0	84,5 83.8	85.4 86.7	85.9	55.2	87.7	86.4	86.4	86.4 87.9	86.5 57.9	87.9	86,5 87,9 88.3	86.5 88.0
≥ 1500 ≥ 1200	50.4	73.4	78.6	82.9	86.1	87.1	87.7 86.1	88.0	88.0 89.4 90.7	88.2 89.6 91.0	88.3 89.7 91.0	88.3 89.7 91.0	38.3 89.7	89.3 49.8 91.1	89.8 91.1	88.4 89.8 91.1
≥ 1000	50.7 50.7	74.6 75.0	BOOR	85.5 85.8	88.5 89.5	59.5 90.7 91.1	93.6	90.7 92.1	92.1	92.4	92.5	93.1	92.6 93.1	92.6	92.6	92.6
≥ 800	50.8 50.8	75.2	81.0 81.3	86.4	90.5	92.0 92.6	92.1 93.1 93.9	93.7	93.7	94.1	94.2	94.2	94.3	94.3	94.3	94.3
≥ 600	50.8	75.4 75.4	81.6 81.7	86.6	91.3	93.1	95.2	96.3	95.5	96.0 97.1	96.2	96.2 97.5	96.3	96.3	96.4	96.4
≥ 400 ≥ 300	50.8	75.5	81.7	86.8	91.7 91.8	93.7	95.5	96.8 97.0	97.0	97.1 98.1	98.2 98.6	98.7	98.5 99.1	98.6	98.6 99.2	98.7
≥ 200	50.8	754	81.7	86.8	91.8 91.8	93.8 93.8	95.6	97.0	97.3 97.3	98.2 98.2	98.8	98.9	99.3	99.4 99.4	99.5	99.7
≥ 0	50.8	75.5	ă1.7	86.8	91.6	93.8		97.0	97.3	98.2	98.8	98.9	99.3	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS ....

USAF ETAC JULIA 0-14-5 (OL A) MEVICUS EDITIONS OF THIS FORM ARE DESCRETE

GLOOSL CLIMATOLOUY SCANCH USAFETAC ATR WEATHER SERVICE/MAC

C

(

SKY COVER

93944 MARTIN MARIETTA AIRFIELD MD

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGI	FREQUENC	Y OF TENT	HS OF TOTA	L SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MUNIN	(L.\$.T.)	0	1	2	3	4	5	6	,		,	10	SKY COVER	OBS.
JAN	20-00									 <del> </del>		ļ		
	03-05			ļ				<u> </u>						
<del></del>	06-08	16.6		ļ	19.4			ļ		ļ	21.3	42.7	6,8	350
	09-11	14.9		<u> </u>	10,2				<u></u>		23.0	45.9	7.0	72
	2-14	9.9			21.4			<u> </u>	-	<b>\</b>	23.3	45.5	7.3	710
	5-17	9,9			26.9			<u> </u>		ļ	19.7	43.5	6,9	640
<del></del>	10-20	24.2			25.0	<del>,</del>		ļ	ļ		19.5	35.4	5.0	52
	21-23	95.3		ļ	18.8						12.6	33.3	5.0	414
				<u> </u>							<u> </u>			
ŤΟ	TALS	18.5	-		2168						18.7	4.	6.4	338

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLORY BRANCH DEAFETAC AIR GEATHER SERVICE/MAC

**SKY COVER** 

12164 MARTIN MARIETTA AIRFIELD MD

MONTH	HOURS				PERCENTAG	E FREQUENC	Y OF TENT	HS-OF TOTAL	SKY COVER			MASM TO ENTINET	TOTAL NO. OF
MONIN	(L.S.T.)	0	1	2	3	4	5		,	,	10	SKY COVER	005.
	00-02						·			 ļ			
	03-05								<u> </u>	 			
	04-05	22.4			2069			ļ		10.8	37.9	6.1	11
	09-11	19.0			20.8			ļ		 23.7	38.4	0.4	_47
	2014	17.2			22.2					 17.4	4241	6.5	_44
	3-17	19.4		ļ	21.0			ļ		 19.7	39.9	6.4	61
	8-80	27.4		ļ	22'45					12.3	36.4	3.4	48
***************************************	21-23	17.4			1500		·			10.2	37.4	Jal	
TO	TALS	22.9			20.6						38.9	6.0	21.5

USAFETAC FORM 8-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUEN	CY OF TENT	HS-OF TOTA	L SKY COVE	2			MEAN TENTHS OF	TOTAL NO. OF
MONIN	(L.S.T.)	0	1	2	3	4	5	•	,	•	,	10	SKY COVER	OBS
269	00-02							<u> </u>	ļ		ļ			
	03-05								ļ	ļ			ļ	
	04-05	22.4			20.9						10.8	27.9	0.1	125
1	09-11	19.0		<u> </u>	20.8			ļ	<u> </u>	ļ	21.7	38.4	9.4	472
	2-14	17.2		ļ	22.2	· · · · · · · · · · · · · · · · · · ·		ļ		ļ	17.4	43.1	6.5	449
	3017	19.4			22.0			-		<u> </u>	19.7	39.9	6.4	614
		27.4		ļ	23'45		ļ	ļ		ļ	12.3	36.4	3.4	487
i	21-23	17.4			1500			ļ		<u> </u>	10.2	37.4	301	192
								ļ		ļ				

GLOBAL CLIMATOLOBY BRANCH USAFETAC ATA WEATHER SERVICE/MAC

**SKY COVER** 

99744 MARTIN MARTETTA AIRFIELD MD 71 1078 MAR

STATION NAME PENCO MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS	Į .			PERCENTAG	e frequenc	Y OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONIN	(L.S.T.)	0	1	2	,	4	5	•	7	8	,	10	SKY COVER	081.
MAR	00-02											00.0	10.0	
	03-05			ļ	ļ							ļ		
	06-08	10.6		ļ	21.7						18.4	43,4	6.6	33
	09-11	11.9			23.4			ļ	ļ		19.5	45.1	7.0	64
	12-14	10.7		ļ	19.4						25.1	44.8	7.3	634
	3-17	12.2			10.2	<u> </u>					26.9	42.6	7.2	571
	18-80	20.0		ļ	22:0			<u> </u>			23.1	35.0	6.2	441
	21-23	34.5			20.9						13.3	31.3	5.0	34
†O	TALS	75.1			18.0						18.0	48.9	7.0	297

USAFETAC FORM NUL 44 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOSAL CLIMATOLOGY BRANCH USAPETAG AZR REATHER SERVICE/HAC

SKY COVER

93744 MARTIN MARIETTA AIRFIELD MD

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGI	FREQUENC	Y OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHE OF	TOTAL NO. OF
MONIN	(L.S.T.)	•	1	2	3	4	5	٠	7	•	,	10	SKY COVER	084
124	00-02													
	03-05			-								00.0	10.0	
	06-08	27.6			22.6						17.5	32.3	2.5	77
	09-11	22.0			26.5					ļ	20.2	31.03	5.7	_44
<del></del>	12-14	14.7			28.0						23.0	34.2	6.3	41
····	15-17	15.2		<u> </u>	26.2						26.2	32.3	0.4	571
··	8-80	21.5			24.8			ļ			22.2	31.4	5.9	45
	23-23	35.7			21.5						13.5	29.2	4.8	92
10	TALS	19.5			22.6						17.5	41.5	0.4	292

USAFETAC FORM JUL 64 0-9-5 (OL A) PREYIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

SKY COVER

93764	MARTIN MARIETTA AIRFIELD M	10
STATION	CATION WATER	-X

71478

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	PREQUEN	CY OF TENT	HS OF TOTAL	SKY COVER		_		MEAN	TOTAL
monin	(L.S.T.)	0	1	2	3	4	5	4	,	•	,	10	TENTHS OF SKY COVER	NO. OF OBS.
MAY	00-02													
	3-05							ļ			ļ	ļ		
	04-08	18.0	<del></del>		19.0						19.8	42.2	6.7	
	19-11	14.5		<u> </u>	2066	······································					17.9	45.1	6.7	63
	2014	11.2		ļ	20.8						20.3	43.6	6.9	42
	3017	9.2		ļ	26.9						22.6	43.4	7.1	53
	8-20	74.8			21.7						22.5	40.0	6.8	
	21-23	26.4	**************************************		23.4			,			12.5	37.5	5.6	_21
101	/ALS	Zano.			22.6						10 4	A2.2	6.6	004

FORM UL 44 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE USAFETAC

GLOBAL CLIMATULURY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

SKY COVER

93944 MARTIN MARIETTA AIRFIELD MID

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAG	e frequenc	CY OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
	(£.\$.T.)	0	1	2	3	4	5	6	7	•	,	10	SKY COVES	088.
NUE	00-02										<u> </u>	ļ		
<del></del>	03-05	-						ļ						
	06-08	15.9			22.7						22.5	36.9	6.6	471
	09-11	10.2			27.6			ļ		ļ	27.7	34.3	6.8	410
	12-14	6.2			32.7						20.2	32.9	0.0	617
	15-17	7.0		ļ	33.0						20.4	33.0	6.7	913
	18-20	7.0			29.0			ļ			29,9	34.1	7.0	431
	23-83	18.4			27-1						24.2	30.4	6.0	201
TO	TALS	10.9			28.7						26.5	33.9	6,7	2850

USAFETAC

FORM
JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SKY COVER

MARTIN MARIETTA AIRFIELD MD

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGI	FREQUEN	CY OF TENT	'HS OF TOTAL	L SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONIA	(L.S.T.)	0	1	2	3	4	5	6	,		,	10	SKY COVER	088.
101	00-02													
	03-05				50.0						50.0		6.0	
·····	06-08	18.8			27.4			<u> </u>			20.7	31.1	5.9	46
	09-11	14.6	···		32.6	<del>,,,,,,</del>		ļ			24.0	28.0	6.0	614
	12-14	5.7			35.5	···				<u> </u>	29.5	29.3	0.0	614
<del></del>	19-17	0.5			33:5			<u> </u>			30.7	29.3	6.7	52
	8-20	12.2			29.7						30.0	28.1	9.9	43
	21-83	24.2			93:0						18.1	24.7	5.1	21
·				<u> </u>										
TO	TALS	11.7			26.8						29.1	24.4	6.1	287

FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

**SKY COVER** 

12764	MARTIN MARIETTA AIRPIELD MU	70+78	AUG
STATION	STATION NAME	PERIOD	MICHINA

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAG	FREQUENC	Y OF TENT	HS OF TOTAL	SKY COVE	<u> </u>			MEAN TENTHS OF	TOTAL NO. OF
MONIN	(L.S.T.)	0	1	3	3	4	5	6	,		,	10	SKY COVER	001.
AUG	00-02							ļ <u></u>						
	03-05	25.0			25.0			-			25.0	25.0	3.5	
<del></del>	06-08	TRes			26.3			ļ			25.6	29.4	6al	367
	09-11	17.2			32.0			<u> </u>		ļ	26.7	2641	5.8	721
	2014	9.2		<u> </u>	26.2	,		<u> </u>	ļ	ļ	32.1	22.5	6.2	710
	19-17	9.7			37.9					<b></b>	21.6	20.8	602	439
	18-20	12.8			32.4			<u> </u>		<u> </u>	26.8	28.0	6.2	-919
	23-23	24.2			2851						21.3	26.3	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	267
									<b> </b>					
70	TALS	76,8			19161						29.7	25.2	5.9	3423

GLOBAL CLIMATOLOBY BRANCH USAFETAC ALA REATHER SERVICE/MAC

O

SKY COVER

93744 MARTIN MARIETTA AIRFIELD MIT

PENOD

SEP

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## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAG	E FREQUENC	Y OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONIN	(L.S.T.)	0	1	7	3	4	5	6	7		,	10	SKY COVER	OBS.
1EP	20=02		<u></u>	<u> </u>				ļ						
·	03-05			ļ						<u> </u>		100.0	10.0	
·	06-08	19,0		<u> </u>	22,1					ļ	20.7	37.4	6.3	55
	09-11	17.2			25.2		<u></u>	<u></u>			23.7	33.9	6.3	701
	12-14	8.8			32.9						25.9	32.3	6.6	690
	15-17	10.7		<u> </u>	36.1			ļ		<u> </u>	22.8	30.4	6.2	580
	18-20	10.4			36.7						20.0	24,9	5.4	910
	22-23	90.1		ļ	2846			-			16.2	75.1	4.8	131
•				<u> </u>	ļ							<u> </u>	ļ	
				<b></b> .	ļ									
	<u> </u>			<del> </del> -	ļ			ļ	ļ	<b> </b>	<u> </u>	<b> </b>	ļ	
	<u> </u>				<u> </u>					<u> </u>	<b>-</b>	<b> </b>		
TO	TALS	15.0			25.9			<u> </u>			18.5	40.6	6.5	3304

USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SKY COVER

99944 MARTIN MARIETTA AIRFIELD MU
STATION STATION NAME

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAG	E FREQUENC	CY OF TENT	HS OF TOTAL	L SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONIN	(L.S.T.)	0	1	2	3	4	5		,	•	•	10	SKY COVER	088.
Oct	00-02													
	03-05				66.7						<b>_</b>	33.3	5.3	
	06-08	25.8		<u></u>	22'06				ļ		15.6	36.0	5.7	550
	09-11	20.3	<del></del>	ļ	20.5			ļ			17.2	36.0	5.9	731
, , , <u>, , , , , , , , , , , , , , , , </u>	2-14	13.5	-	<u> </u>	28.0					ļ	21.5	35.0	6.3	72)
	3-17	10.8			26.3					ļ	24.6	32.2	6.2	630
	18-20	30.1			25.5						10.5	23.9	5.0	541
	22-23	39.5			20.3						15.7	24.6	4.5	25)
TO	TALS	21.1			30.4						14.2	31.9	5.6	346

FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

GLOBAL CLIMATOLOGY BRANCH USAFÉTAC AIR MÉATHER SERVICE/MAC

SKY COVER

93744 MARTIN MARTETTA AIRFIELD MB 70=78

NOV

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)		MEAN TENTHS OF	TOTAL NO. OF										
		0	1	2	3_	4	5	•	7		,	10	SKY COVER	OH.
lov_	00=02													
·····	3-05										ļ	ļ		
	80-40	15.0			26.9			ļ			29.8	37.3	6.4	_22
	9-11	12.0			2662				<b></b>		19.7	41.5	6.7	492
	2014	4.8		ļ	26.65				<u> </u>	<u> </u>	23.9	40.4	7.0	691
	5-17	70.6			25.6			<u> </u>	<u> </u>	ļ	25.0	28.2	6.9	
	8-20	24.9		ļ	21.7					ļ	14.4	30.4	5.8	
<del></del>	23-23	35.4			18.5				<u> </u>	ļ	12.0	34.2	5.0	<u> </u>
70	TALS	77.8			26.6						10.7		5.3	323

USAFETAC FORM B-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR REATHER SERVICE/MAC

**SKY COVER** 

MARTIN MARIETTA AIRFIELD MB

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.Y.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												TOTAL NO. OF
		0	1	2	3	4	5	4	,	•	,	10	TENTHS OF SKY COVER	066.
BEC	20-00							-				ļ		
- A-1	03-05							<u> </u>						
	06-08	21.3			19:0			ļ		ļ	18.4	41.3	6.4	915
	09-11	15.9			20.3			ļ		ļ	19.1	44.8	6.8	656
	12-14	10.7			23.3			<u> </u>		<u> </u>	24.5	41.5	7.1	644
<del></del>	15-17	14.0	· · · · · · · · · · · · · · · · · · ·		2368			ļ			21.9	40.3	6.7	373
	9-20	29.5	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		19.2						14.9	30.4	5.6	484
	22-22	37.0			15.3						11.2	36.5	5.1	392
10	TALS	21.4			20.2						10.3	40.1	6.3	3084

FORM U-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE USAFETAC

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

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SKY COVER

93744 MARTIN MARIETTA AIRFIELD MD 70=79 ALL
STATION STATION NAME MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)		MEAN	TOTAL										
		0	1	3	3	4	5	•	,		,	10	TENTHS OF SKY COVER	NG. OF CBL
JAN	ALL	12.5			21.8						18.7	43.1	6.4	3387
FES		22.9		ļ	20.6				ļ	<u> </u>	16.7	34.9	6.0	3152
MAR		15.1		<u> </u>	1800				! 		10.0	48.9	7.0	2976
APR		19.5			23.4					ļ	17.5	41.5	0.9	2927
MAY		16.0			22.4						19.4	42.2	0.6	2949
JUN		10.9			28.7						26.5	33.9	6.7	2956
JUL		11.7			34.0						29.1	29.9	003	2870
AUG		16.9			33.41						26.7	25.2	3.2	3421
SEP		15.0			25.9						18.5	40.6	6,5	3304
BCT		2101		<u></u>	30.8						16.2	31.9	5.6	3467
NOV		17.0			24.4						19.7	38.2	6,3	3231
BEC		21.4			20.2						18.3	40.1	6,3	3084
101	TALS	17.3			25.0						20.4	37.2	6.3	37623

USAFETAC FORM 8-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

\*a /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*

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#### TOTAL SKY COVER

FOR THE PERIOD OF RECORD 1971 AND LATER THE AIRMAYS
SYMBOLS OF CLEAR, SCATTERED, BROKEN, OVERCAST, 6 OBSCURED
WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART E

#### PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dev points, and relative humidity. The order and manner of presentations follows:

- : 1. Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
  - a. Daily waximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximin and minimin temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

- 2 2. Extreme values derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL NOWTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

  - a. Extreme maximum temperature
    b Extreme minimum temperatureDATA NOT AVAILABLE

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

"alues for means and standard deviations do not include measurements for incommiste months.

Continued on Reverse

- 3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horisontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dev-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.
    - NOTE: A percentage frequency in this table of ".O" represents one or more occurrences amounting to less than .05 percent.
  - b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dev-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares  $(\Sigma X^2)$ , sums of values  $(\Sigma X)$ , means (X), and standard deviations  $(-\infty)$ . The number of observations used in the computation for each element is also shown.
  - c. At the lover right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dev-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.
    - NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dev-point temperature and relative humidity are with respect to water, unless otherwise indicated.
- 4. Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEM-FOIRT TEMPERATURE.
- 5. Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the sumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vartical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH

#### **DAILY TEMPERATURES**

USAFETAC AIR WEATHER SERVICE/MAC 9374 MARTIN MARIETTA AIRFIELD MD 70-76 STATION NAME YEARS

MUMIKAH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE

_	TEMP (*F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
_	95	-						3.0	1.9	.7				
-	90	<del> </del>	-			. 7	5.4	14.3	11.0	3,4				3.
	85	† - <u>†</u>	ţ		3.3	2.0	26.4	47.0	46.8	17.0	1.3			12.
	80	#- +	ţ	.7	5.3	11.9	60.1	77.4	77.3	37.4	3.9	1.4	; <del> </del>	23.
	72	•	ţ	11	7,3	34.4	79.1	97.0	95.5	66.7	11.8	4,2	r <del>- </del>	34.
	12.	1 2	1 4	3.9	20.0	58,3	90.5	98.8	98.7	83.7	39.9	9.8	•7	43.
-	70	1.3	1.4	9.2	36.0	77.5	97.3		100.0	93.9	62.7	14.7	1.5	31.
	5 <u>5</u>	3.0						100 0	10010	99.3	80.4	30.8	6.0	39.
	60.	3.9	10.6	17.6	58.0	92.1	100.0	100.0		100.0		51.0	14.9	
	<u>55</u>	7.2	17.7	32.7	79,3		1			100.0	88,9			66.
-	50	10.9	30.5	55.6	91.3	100.0					95.4	62,9		74.
	45	32.2	43.3	71.9	97.3						98,7	84,6	47.0	<u>81</u> ,
	40	52.6	39.6	89.5	98,7						100.0	94,4	76.9	89.
	35	68.4	75.2	98.0	100.0							99,3		94.
	30	87.5	90.8	100.0								100.0	98,5	98.
	. 25	95.4	97.9				ļ ,						99,3	99.
_	20	98.7	100.0				,						100.0	99,
_	15	100.0	į										l	100.
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	-	<del>†</del> †	•				t			<del>  </del>			r *	
		۴ ،					<del> </del>			† <u>†</u>			+ #	
		*	- •					•		† †		<del> </del> 1	- #	
-	-	# !					<del>,</del>	+		ļ <del>-</del>				
	,	<del> </del>	-	-			<del> </del>	†	-	<del> </del>			i - #	
Z	MEAN	40 3		50 0	61.7	70.5	79.8	83.8	83.4	77.3	44 ^	54.6	45	
_	- SD	9.971	42.0	50.8	9.949	7.94	1700	95.0	6 270		66.0	10.297	8,539	63
	TOTAL OBS	-	1000	9.239			6,949 148	20990	306/7	147	153	143	134	17.62 179
	F ETAC FORM 0-1	152	191	129	150	151	140	168	154	17/	129	172	134	1/7

GLOBAL CLIMATOLOGY BRANCH USAFETAC

**DAILY TEMPERATURES** 

AIR WEATHER SERVICE/MAC
93764 MARTIN MARIETTA AIRFIELD MD
STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MINIMUM

TEA	MP (°F)	JAN	FEB	MAR	APR	MAY	JUN	IUL	AUG	SEP	OCT	NOV	DEC.	ANNUAL
	85							. 5						•
	80		<u> </u>				.7		3.2					
	75	<u> </u>					14.2	23.8	18.8	3,4			·	3.
	70	†			.7	3.5		67.3	55.8	23.1	.7			17.
·	65	<u> </u>	İ		4.7	17.2	70.2	93.5	87.0	47.6	6.5	.7		20.
-	60	<u> </u>			11.3	36.4	89.2	99.4	96.8	74.8	20.9	4.2		37.
	50 55	1.3	,7	3.3		64.2		100.0		90.5	36.6	10.5	2.2	45.
	50	49.2	5.7	8.5			100.0	TANTA	***	96.6	62.1	24.5	3.0	55.
	45	3.9	9,9	24.8	66.0	98.0	10000			99.3	80.4	42.0	8,2	62.
-	40	11.2	19.9	45.8		100.0				100.0	90.2	60.1	32,1	71.
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TOT	AL OBS	152	141	153	150	151	148		154	147	153	143	134	179

USAF ETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLDRY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
93744 MARTIN MARIETTA AIRFIELD MD
STATION NAME

## DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE

	90 65 80 75 70 65 50 45 40 35 30 25 20 15	7 1.3 3.9 14.5 33.6 49.3 72.4 99.5 98.0 99.3 100.0		11.1 27.5 51.0 76.5 91.3 99.3 100.0	89.3 97.3 98.7 100.0	100.0	77.0 91.9 98.6 100.0	6 5 5 33 3 73 8 97 6 99 4 100 0	7,1 27,9 70,1 92,2 100,0	1 4 4 9 5 5 2 9 8 8 5 8 8 9 5 2 9 8 8 0 100 • 0	,7 7,2 24,2 53,5 74,5 88,9 94,8 98,0	2.8 5.6 12.0 27.3 49.7 62.9 84.6 95.1 100.0	1,5 4,5 9,7 31,3 56,0 82,1 91,8 99,3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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	75 70 65 60 55 50 45 40 35 30 25 20	3,9 14,5 33,6 49,3 72,4 69,5 98,0 99,3	2.8 7.1 13.5 25.5 44.7 58.2 78.7 89.4	11.1 27.5 51.0 76.5 91.3 99.3 100.0	3,3 6,7 14,0 26,7 51,3 77,3 89,3 97,3 98,7 100,0	6 0 24 5 48 3 69 5 90 7 99 3	53.4 77.0 91.9 98.6 100.0	73.8 97.6 99.4	70.1 92.2 100.0	29,3 58,5 80,3 95,2 98,0	7,2 24,2 53.6 74.5 88.9 94.8 98.0	5,6 12,6 27,3 49,7 62,9 84,6 95,1	4,5 9,7 31,3 56,0 82,1 91,8 99,3	20 a 21 a 22 a 22 a 22 a 23 a 23 a 24 a 25 a 26 a 26 a 26 a 26 a 26 a 26 a 26 a 26
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S		8.7581		7.86	35.2 8.704	6.928	74.1 6.122	4.586	4.703	4 7 8 9	7.851	9.333	7.555	16.79
TOTAL				153	150	20166		78760				78223	134	179

GLOBAL CLIMATULORY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

93744 MARTIN MARIETTA AIRFIELD MD JAN YEARS PAGE 1 0600-0.00 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 17 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 26 27 - 28 29 - 30 3 31 D.B./W.B. Dry Builb Wet Builb Dew Point 58/ 57 . 8 56/ 55 54/ 53 1 50/ 49 . 8 2 48/ 47 46/ 45 44/ 43 42/ 41 3 40/ 39 38/ 37 1.6 . 8 15 20 11 36/ 35 34/ 33 19 1.6 37 4.3 23 8 32/ 31 3.9 3.1 1.2 30/ 29 21 23 19 12 28/ 27 5.8 28 37 19 17 26/ 25 1.6 3.1 19 17 14 28 24/ 23 22/ 21 4.3 2.7 18 27 8 16 12 18/ 17 17 • ಚ 15 14/ 13 .4 1.2 14 10 13 10/ 19 12 5 6/ 2/ 6 -2/-310/-11-22/-23 No. Obs. Mean No. of Hours with Temperature Rel. Hum. ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 10F ≤ 32 F Dry Bulb Wet Bulb

26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AFETAC FORM 0-26-3

Dew Point

GLOBAL CLIMATULDAY BRANCH USAFFTAC AIR AEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

3744 STATION	. 114	RTIN	MAR	TETT	A AI	RFIE AME	LD M	D		71-	79			YE	ARS						AN NTH
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Rel. Hum.			0277	<del>                                     </del>	188	67	73.1	10.4	53		5.	± 0 F	_ ≤	32 F	≥ 67		73 F	≥ 80 F	≥ 93	F	Total
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Wet Bulb		20	14320		68	42	26.5	9.7 9.4	34	2	5		5	7.0							9
Dew Point		15	0635		53	51	20.7	12.4	22	2	5c		5 7	6.0							9

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFFTAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMAR**

STATION	. MAI	RTIN	MAR	IETT	A AI	RFIE	LD M	9		71=	79			Ϋ́I	EARS	·····	<del></del>				ITH
																		PAGE	1	0900-	110
Temp.								TEMPER.										TOTAL		TOTAL	
(F)	0	1 - 2	3.4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	* 31	D.B./W.S.	Dry Bulb	Wet Bulb	Dow P
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6/ 45		1.6	1.1	.5	• 5													25	27	7	
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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFFTAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 93744 STATION MARTIN MARIETTA AIRFIELD MD 71-79 0900-1100 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point -6/ -7 -8/ -9 -10/-11 5.232.837.516.5 6.2 729 629 TOTAL 629 ARE ORSOLETE PREVIOUS EDITIONS OF THIS FORM ₹ <u>d</u> 0-26-3 FOR NUT No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hum. s 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 3018171 42185 67.117.346 629 10 F Total 32.4 9.364 29.4 8.859 48.6 Dry Bulb 829725 23629 729 93 Wet Bulb 593994 18510 €0.0 629 Dew Point 404302 14036 93

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GLOBAL CLIMATULDRY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMAR

744 STATION		RTIN		31	ATION N	AME								YE	ARS			PAGE	: 1	1200:	AN NTH -140
Tomp.						WET	Blit B		ATUE	DEPRE	SSION (	F)						TOTAL		TOTAL	L. S. T.
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8							21 - 22 2	3 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb		Dow P
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Vet Bulb Dew Peint				<del> </del>		-		<del>├</del>							<b></b> -	-+-		<del> </del>	+		

USAFETAC FORM ARE OBSOLETE JUN 71 0-25-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLUBAL CLIMATDLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMAR**

MARTIN MARIETTA AIRFIELD MD 1200-140 Hours (L. S. Y. PAGE 2 WET BULB TEMPERATURE DEPRESSION (P)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | > 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dow P Temp. (F) -2/ -3 -6/ -7 -8/ -9 TOTAL 3.018.033.826.213.6 2.8 2.5 716 60 604 604 Element (X) No. Obs. Meon No. of Hours with Temperature 61.9.7.358 35.7 9.411 32.0 8.654 23.7 1.761 Rel. Hum. 37379 2494903 604 10 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Tetal Dry Bulb 977849 25589 9 716 37.7 Wet Bulb 19318 663018 50.5 9 604 Dew Paint 422965 14321 604 70.7

FORM 10-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC FORM

GLOBAL CLIMATOLURY BRANCH USAFFTAC AIR MEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMA**

93744 MARTIN MARIETTA AIRFIELD MD PAGE 1 1500-17 HOURS (L. S. WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 - 31 D.B./W.B. Dry Bulb Wet Bulb Dew 70/ 69 64/ 63 62/ 61 3 60/ 59 . 2 58/ 57 2 2 56/ 54/ 53 12 3 1.0 . 2 50/ 49 8 13 48/ 28 31 46/ 45 1.0 12 44/ 43 25 25 37 1.9 .6 35 42/ 41 1.0 1.5 15 40/ 32 37 44 55 38/ 2.5 23 43 34 51 79 34/ 33 2.3 37 1.0 40 46 30/ 29 3.4 1.7 31 53 35 29 40 25/ 25 3.4 22 28 51 1.3 22/ 21 16 27 20/ 18/ 17 .6 8 13 10/ 5 2/ No. Obs. Meen No. of Hours with Temperature Element (X) Ret. Hum Dry Bulb

FORM 0-26-3 (OL.A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLUTED IN 71

USAFETAC FORM

Wet Bulb

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMAR**

STATION	-				TATION I	AME		<del></del>		71-			,	EARS					MO	AN
																	PAGE	2	1500 HOURS	- <u>17</u>
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Element (X)		2 X.			3 x	1	<u> </u>	<del>                                     </del>	1	No. Ob	•.			Mean No	o of Hou	urs with	Temperat	ure	L	
Rei. Hum.		185	7732		285	28	59.8	17.8	44		7.7	10 F	≤ 32 F	≥ 67 (	• • ;	73 F	€ 80 F	× 93	F	Total
Dry Bulb		89	7868	<b> </b>	233	46	36.	9.2	66		47		36.7		3					
Wet Bulb		53	3316	<b> </b>	154	18	32.	5.5	70		77		49.7							
Dew Point		32	6761	1	111	81	23.4	11.6	56	4	77	1.6	71.2	.1				.1	L_	

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE USAFETAC

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMAR'

I chi to 1

93744 MARTIN MARIETTA AIRFIELD MD JAN PAGE 1 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Poir 70/ 69 62/ 61 60/ 59 58/ 57 • 3 1 56/ 55 . 6 .6 •6 52/ 51 .6 . 3 5 49 48/ 47 .6 1.0 2.9 1.9 10 12 46/ 45 20 44/ 43 11 15 16 421 89 39 .3 1.0 1.9 40/ 13 14 36/ 35 1.6 1.6 2.5 23 42 22 14 34 20 12 20 21 25 15 25 17 1.9 4.4 3.8 2.9 32/ 31 1.6 25 58 22 30/ 37 54 2.9 2.2 1.6 27 1.0 24 45 47 25 26/ 12 30 26 24/ 23 .6 3.8 17 33 26 .3 1.0 19 17 1.0 2.2 20/ . 6 15 16 8 16/ 15 11 12/ 11 10/ 19 8/ .3 10 4/ 0/ -1 Meen No. of Hours with Temperature Rel. Hum. ≥ 67 F 5 0 F ± 32 ₹ ≥ 73 F ≥ 80 F Dry Bulb Wet Bulb Dew Point

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PREVIOUS EDITIONS OF 0-26-3 (OL A)

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

3744 STATION	MA	RTIN	MAR	TETT	A A I	RFIE	LD M	<u>n</u>		71-	79			YE	AS						AN
																		PAGE	2	1800 HOURS	-200 L. s. T.
Temp.						WET	BULB	TEMPE	INUTAL	DEPRE.	SSION (	(F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24	25 - 26	27 - 28 2	9 - 30	× 31	D.B./W.B.	ry Bulb	Wet Bulb	Dow P
-4/ -5 -6/ -7																					
-8/ -9			1	1					1												
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Dry Bulb		61	8762		174	04	33,2	8.8	23	5	24		T	46.9		2					
Wet Bulb		32	0908	5			30.8			3	15			57.0		T			T		
Dew Point		3.0	1946		-		23.0				15	2.		74.4				<del> </del>	<del></del>		

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THES FORM ARL ORSOLETE

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GLOBAL CLIMATOLOCY BRANCH USAFETAC AIR WEATHER SERVICE/MAC 93744 MARTIN MARIETTA AIRFIELD MD

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## **PSYCHROMETRIC SUMMAR**

STATION				5	STATION N	JAME								Y	EARS			<b>-</b>		
																		PAG	E 1	21 HOU
Temp.						WET	BULB	TEMPER/	ATURE	DEPRE	SSION	(F)			-			TOTAL		TOT
(F)	0	1 - 2	3 · 4	5 - 6	7.8	9 - 10		13 - 14	15 - 16	17 - 18	19 - 20	21 - 2	2 23 - 24	4 25 - 26	27 - 28	29 - 30	* 31	D.B./W.B.	Dry Bulb	Wet 1
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Element (X)		Zx'	т	+	2 x	<del></del>	X	•	Τ,	No. Obe				<del></del>	Mean N	lo. of He	urs wit	h Tempere	ture.	
Rei. Hum.						$\neg$		1	$\top$			± 0	F	≤ 32 F	≥ 67		73 F	- 80 F	> 93	F
Dry Bulb								<u> </u>	1_								<del></del>	<del>                                     </del>	1	
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GLOBAL CLIMATOLOGY BRANCH USAFFTAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

93744 MARTIN MARIETTA AIRFIELD MD 71-79 JAN 2100-2300 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 > 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point WET BULB TEMPERATURE DEPRESSION (F) (F) 6.635.079.615.2 3.0 197 TUTAL 197 197 No. Obs. Element (X) Mean No. of Hours with Temperature X 68.4 6.105 30.2 8.795 28.3 8.729 21.4 1.357 13479 20F ≥67 F ≥ 73 F Rel. Hum. 973089 197 ≤ 32 F ≥ 80 F ≥ 93 F otal 12512 5567 Dry Bulb 410084 414 59.3 93 Wet Bulb 93 172253 197 56.6 93 Dew Point 115809 197 80.7

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SAFETAC FORM

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

93744 STATION	MAI	RTIN	MAR	TETT	A AI	RFIE	D M	ŋ		71-	79	<del></del>		Vi	ARS						AN
3101100				•	A 11VA N	-me												PAGE	1		. <b>3.</b> T.)
Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28	29 - 30	<b>2 31</b>	D.B./W.B.	Dry Bulb		Dew Point
70/ 69						• 1	• 1											5	5		
68/ 67					.0													1	1		
64/ 63				•0	_			. 1										4	4		
62/61		_4	<u>• Q</u>				.0	-1									ļ	7	7		
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58/ 57		3		<u>م</u>		2	-0	ا ع							<b> </b>			17	21	9	
56/ 55		. 3	• 1	. 2	• 1	• 1	.0		_									22	26	3	6
56/ 53				جميا	4			<del> ,</del>	-0				<del> </del>	<del> </del>	<del> </del> -			38	33 53	10	9
52/ 51	• 2	. 3	• 1	.2	• 4	•1	• 1	•0										44	54	14	14
48/ 47	• 0	.3	•7	.4	- 49	•3	,2	<b>-</b>				<b></b>	<del>                                     </del>	<del> </del>	<del>                                     </del>		<del> </del>	64	71	29	12
46/ 45	• 0	1.0	1.5	1.2	•6	4	.1											121	132	36	20
44/ 43	. 5	.9	1.5	1.2	1.2	• 2								<b>†</b>			<del> </del>	138	167	93	37
42/ 41	. 2	1.5	1.2	1.2	8	i	.0											128	154	91	40
40/ 39	٤.	1.6	1.7	1.6	.9	•1												153	205	144	72
38/ 37	8	1.3	2.1	1.6	7	-1									<u> </u>			165	210	150	94
36/ 35	. 4	2.0	2.5	1.9	. 6	•0												185	240	178	107
34/ 33	. 5	2.9	2.1	2.2	Lev	1					_			<u> </u>	ļ		<u> </u>	218	311	178	101
32/ 31	. 4	2.1	2.9		•7									1				215	340	199	138
30/ 29		Zal	3.9	2.3	- 6	ļI								<del> </del>	ļ			230	322	184	144
28/ 27	• 4	3.2	2.6	1.7	• 0	İ												198	273	234	157
26/ 25		+++	3.1	7		_				<del></del>				<del> </del>				128	190	256 178	152
24/ 23	.2	1.1	2.9	.4											1		ŀ	93	135	132	134
20/ 19	•1	1.1	1.3	.1										<b>—</b>	<del>                                     </del>		<del> </del>	65	95	130	176
18/ 17	• •	.3	9	••														30	52	85	128
16/ 15	• Q	.7												1				25	49	48	146
14/ 13	ز ا	. 3	. 2			 						<u> </u>						13	29	26	110
12/ 11		, 3	.0															8	19	12	107
10/ 9		. 2	.0							L		L					<u> </u>	6	10	10	138
8/ 7		• 0																1	6	7	98
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2/ 1		2 x2	L		Z x	┖┯┸		-	<del></del>	No. Ob				<u> </u>	Maga			h Tempera			33
Element (X)		-1.			- <u>1</u>		<u> </u>	· *z	+	Me. Ut	••	± 0		± 32 F	Mean F		73 F	h Tempera	* 93		Tetal
Dry Bulb			· <del>····</del>	<del> </del>				<del> </del>	-			- 0	-	- 36 1	+ **/	<del>`</del>	. /3 -	- • · ·	+	<del>'   -</del>	. 4.61
Wet Builb				<del>                                     </del>	-	_+-			_				-		<del> </del>	_		<del> </del>	+		
Dew Point				<b> </b>					+				十					<del>                                     </del>	<del> </del>		
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USAFETAC FORM ARE OBSOLETE
JUN 71 0-26-3 (DL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

MARTIN MARIETTA AIRFIELD MD

#### PSYCHROMETRIC SUMMARY

JAN YEARS PAGE 2 HOURS (L. S. T.) Temp. (F) TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 16 0/ -1 -2/-38 -4/ -5 -6/ -7 9 -8/ -9 6 -10/-11 -12/-13 -22/-23 -26/-27 4.727.034.420.7 9.4 TOTAL 2480 3388 2480 2480 Element (X) Mean No. of Hours with Temperature Rel. Hum. ≥ 47 F ≥ 73 F ≥ 80 F ≥ 93 F 54.717.610 10F 111660A2 160578 2480 ≤ 32 F 33.3 9.572 30.4 E.946 22.71 813 744 744 744 Dry Bulb 4067185 112759 370.0 3388 Wet Bulb 452.7 587.4 2487809 75351 2490 Dew Point 2486 1626418 56352

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE (Of A) 0-26-3

USAFETAC

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GLOBAL CLIMATOLOGY BRANCH USAFFTAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

93744 MARTIN MAKIETTA AIRFIELD MD 71**-7**9 FEB PAGE 1 0600-0600 HOURS (L. S. T.) Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 56/ 55 54/ 53 2 52/ 51 3 3 50/ 49 2 48/ 47 . 4 • 4 1.7 .4 46/ 45 <u>2</u> 3 44/ 43 .4 5 40/ 39 . 4 2.5 . 8 16 18 8 6 2.4 2.9 19 38/ 37 24 36/ 35 1.7 15 19 15 2.1 1.3 18 10 3.3 32 20 32/ 31 1.3 2.9 3.8 19 15 25 17 30/ 29 1.3 13 18 16 4 12 28/ 27 3.8 12 .4 17 ¥ .4 20 2.9 26/ 25 13 16 26 24/ 23 2.1 3.8 14 17 12 13 2.9 2.5 13 16 OF THIS 21 20/ 19 2.9 1.3 15 . 8 12 19 16/ 17 16/ 15 2.9 1.3 10 10 PREVIOUS EDITIONS 2.9 18 17 10 10 14/ 6 11 12/ 11 • 4 12 10/ 7 8/ . 8 2 ₹ ₫ 0/ -1 2 0-26-3 -2/ -3 -4/ -5 -6/-7240 TOTAL 7.940.835.8 8.8 4.2 2.1 335 No. Obs. Mean No. of Hours with Temperature ≥ 67 F ≥ 73 F Rel. Hum. 16953 70.616.764 240 5 0 F ≤ 32 F ≥ 80 F ≥ 93 F 1264685 320793 Dry Bulb 335 54 9727 29.010.717 49.9 Wet Bulb 214913 6833 28.5 0.675 53.9 84 440 Dew Point 152861 5335 66.5

GLOBAL CLIMATULORY BRANCH USAFETAC AIR REATHER SERVICE/MAC

MARTIN MARIETTA AIRFIELD MO

STATION NAME

#### PSYCHROMETRIC SUMMARY

FEB

0900-1100 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31

D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 72/ 71 64/ 63 62/ 61 , 2 • 3 6 6 60/ 59 . 2 . 5 ī 58/ 57 4 . 5 56/ 55 . 2 54/ 53 . 2 • 5 • 3 . 2 14 3 . 3 50/ 49 . 3 15 15 10 48/ 47 28 29 28 46/ 45 . 2 1.5 1.5 . 3 . 3 28 17 1.7 17 44/ 43 32 8. . 3 1.4 , 5 42/ 41 20 22 31 40/ 39 38 43 29 38/ 37 .3 3.1 1.2 1.9 2.4 53 60 35 23 37 35 <u> 32</u> 38 36/ 52 . 3 34/ 33 1.9 2.9 46 53 35 28 33 37 38 39 30/ 29 4.5 39 42 51 28/ 27 3.9 43 49 36 . 3 4.1 26/ 25 33 49 29 23 37 23 24/ 26 21 17 22/ 21 1.2 2.0 27 37 43 27 20/ 29 13 18/ 17 . 8 12 1.2 16 42 37 15 14/ 13 .3 . 5 5 6 6 6 10/ 25 8/ 6/ 5 17 Element (X) Mean No. of Hours with Temperature 10F 1 32 F ≥ 67 F > 73 F = 80 F > 93 F Total Dry Bulb Dew Point

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM AP. OBSOL

(

SAFFTAC FORM 0.35.3 (OI A)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

93744 MARTIN MARTETTA AIRFIELD MD 71-79

## **PSYCHROMETRIC SUMMARY**

FEB

STATION	1253			\$	TATION H	AME				سيطس				YE	ARS					MO	NTH.
																		PAG	E Z	0900	
Temp.						WET	BULL	TEMPE	RATUR	DEPRI	SSION	(F)						TOTAL		TOTAL	***************************************
(F)	0	1 - 2	3.4	5 - 6	7-3	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24 2	5 - 26	27 - 28	29 - 30	= 31	D.B./W.S.	Dry Bulb	Wet Bulb	Dew Po
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-8/ -9			1		l		l		١.	1	ĺ	1	İ						ĺ	1	
DTAL	5.4	22.0	75.5	19.7	9.7	3.4	2.0	,8	.7	7									673		58
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Element (X)		ZX'		<u> </u>	ΣX.		X	•		Ne. O								h Tempera			
Rel. Hum.			5381	ļ	374	33	63.6	7.8	04		89	± 0 F		12 F	<b>≥ 67</b>	F   3	73 F	→ 80 F	· 93		Tetal
Dry Bulb			7780		231	66	34.4	ومتا	33		74	·		7.1		4_					8
Wet Bulb			0394			04	31.2	2.7	<u>oil</u>		35			8				<del> </del>	<u> </u>		8.
Dew Point		40	9195		137	391	23.3	2.2	83	5	89	2•	4 6	3.3		L		<u> </u>			64

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PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE 0-26-3 (OL A) F

GLOBAL CLIMATOLUGY BRANCH USAFFT1C AIR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MO 71-79
STATION NAME FEB 1200-1400 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 231 D.B./W.B. Dry Bulb Wet Bulb Dew Point . 2 74/ 73 3 70/ 69 68/ 67 . 2 3 . 2 . 2 66/ 65 •2 . 2 . 2 67 64/ 63 . 2 6 62/ 61 60/ 59 8 . 2 56/ 55 16 16 . 5 1.1 54/ 53 .2 21 52/ 51 21 • 2 50/ 49 32 48/ 47 27 2.4 25 6 16 46/ 45 27 29 27 1.1 10 38 44/ 43 1.1 2.4 33 16 1.5 40/ 39 1.5 32 34 44 37 9 49 38/ 41 37 36/ 35 1.6 1.6 3.6 50 53 34 48 34/ 33 39 32/ 31 . 5 2.4 2.9 50 22 40 30/ 49 39 48 38 28/ 27 2.7 33 40 30 40 33 23 23 24/ • 7 40 22/ 23 30 20/ 19 8 11 32 18/ 17 8 36 5 34 16/ 15 23 31 12/ 11 10/ 16 8/ 6/ Element (X) No. Obs. Mean No. of Hours with Temperature

≤ 32 F

PREVIOUS EDITIONS OF ₹ 0-26 FORM 21

Dry Bulb Wet Bulb Dew Point GLOBAL CLIMATOLOGY BRANCH USAFFTAC AIR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MN 71~79 PAGE 2 1200-1400 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL

0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 > 31 D.B./W.B. Dry Buib Wet Buib Dew Point Temp. (F) 4/ 3 0/ -1 -2/-3-4/ -5 -6/ -7 649 549 TOTAL 3.014.270.826.419.1 8.9 3.1 1.5 549 ARE OBSOLETE EDITIONS OF ₹ ō FORM 0-26-3 Element (X) ZX' • Mean No. of Hours with Temperature Rel. Hum. ≤ 32 F = 67 F = 73 F = 80 F = 93 F 1979119 57.116.624 ≤ 0 F 31331 549 84 Dry Bulb 1030199 28.5 24901 38.411.371 644 Wet Buib 687948 18672 34.0 9.446 549 39.0 84 Dew Point 407283 84

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

FEB

93744 MARTIN MARIETTA AIRFIELD MP 1500=1700 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 (F) D.B./W.B. Dry Bulb Wet Bulb Dew Point 72/ 71 . 2 . 2 70/ 69 68/ 67 .4 . 2 • 2 66/ 65 64/ 63 8 . 2 . 2 7 .2 . 2 9 62/6160/ 59 • 2 • 9 1.1 9 11 . 2 58/ 57 Ģ 10 12 56/ 55 •4 1.1 12 6 54/ 53 . 2 1.1 20 21 52/ 51 .2 .2 1.1 1.3 14 16 8 50/ 49 2 48/ 47 1.8 19 17 23 46/ 45 1.8 1.1 44/ 43 29 8 1.1 • 2 • 7 20 14 2.9 42/ 41 2.4 1 31 36 33 2.5 40/ 39 51 16 2.6 46 44 37 38/ 37 46 40 36/ 35 , 9 2.2 23 22 • 2 • 9 43 27 33 23 37 15 25 34/ 37 3.1 34 32/ 31 1.1 2.9 53 34 29 37 30/ 44 61 28 27 25 2.2 22 28/ .7 . 9 26 33 30 15 28 26/ 38 24/ 23 •4 12 27 25 22/ 21 9 31 3 20/ 19 12 24 20 18/ 17 5 34 16/ 15 16 12/ 11 22 10/ 12 8/ ZX: •, No. Obs. Mean No. of Hours with Temperature Element (X) ≤ 32 F ≥ 80 F ≥ 93 F Dry Bulb Wet Bulb Dew Point

71-79

ARE OBSOLETE PREVIOUS EDITIONS OF THIS FORM ₹ 0-26-3 (OL

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLI	MATCLOCY	BOAMCH
JSAFFTAC		
ATR JEATHE	R SERVICE	FINAC

# **PSYCHROMETRIC SUMMARY**

FEB

						,				<u>-</u>					<u></u>	·			E 2	1500 HOURS (	-1700 L. S. T.)
Temp.		· · · · · · ·									ESSION							TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	4 25 - 26	27 - 28	29 - 30	≥ 31	D.8./W.8.	Dry Bulb	Wet Bulb	Dew Poir
4/ 3 0/ <b>-1</b>																					4 2
-2/ -3																					5 4
-4/ -5 -6/ -7		<del>                                     </del>	<del>                                     </del>		<b></b> -	<del> </del>					<u> </u>	<del>                                     </del>								<del></del>	1
TOTAL	3.7	12.5	10.4	25.2	15.4	11.0	6.1	2.9	2.2	7	4	. 4		<del> </del>	<del> </del>	<b> </b>	-	4.5	615		456
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Element (X)		ZXI		-	ž x		X	- ·		No. O	<b>bs.</b>	L		<u> </u>	Mean I	No. of H	ours wil	h Tempera	ture	<u></u>	<u> </u>
Rel. Hum.		150	P322		251	98	55.3	14.6		4	54	± 0 1		≤ 32 F	≥ 67	£ s	73 F	≥ 80 F	<b>2 93</b>	F	Total
Dry Bulb			7710			00	39.2	11.6	48		15			27.3		• • •					84
Wet Bulb			5113		159			9.1			50		_	35.0	l	$-\!\!\perp$					84
Dew Point		34	4416	<u> </u>	<u> 113</u>	18	24.0	فمدا	14	4	50		2	62.p				<u> </u>			84

GLOBAL CLIMATULOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

93744	MA	RTIN	MAR				LD M	ח		71-	79										EB
STATION				\$	TATION N	AME								Y	ARS			PAG	E 1	1800	-2000
·																		<del>,</del>			L. S. T.)
Temp.										E DEPRI			Ta	24 25 - 26	1	20 2/		TOTAL D.B./W.B.	Dry Bulb	TOTAL	Dew Point
68/ 67	0	1 - 2	3 - 4	5 - 6	7 - 8	9-10		13 - 14	13 - 18	17 - 18	19 . 20	21 . 22	23 - 2	23 - 26	27 - 26	29 - 30	231	3	1	##1 BUIS	Dew Peint
66/ 65					ļ	• •		.4	.4									2	2		
64/ 63						-		.4		+	<del>                                     </del>							ī	3		<del></del>
62/ 61			.4					1.1		ľ	Ì		1					4	5	ł	
60/ 59					.4		, 4	.4										3	3		
58/ 57				. 4		1.1			<u> </u>	<u> </u>	<u> </u>		<u> </u>				<u> </u>	4			
56/ 55	• 4	. 4		.4	•7	•7								1				10		_	2
54/ 53	- 4				1 4	) F	-4	+		ļ	ļ		├		<b>.</b>	<u> </u>	ļ	17			
52/ 51		١,,	.7	1.1				• 4										5			1
50/ 49		1.1	_	- 4	•7	1.4		.4	<del> </del>	<del> </del>	<del> </del> -	<del> </del>	<del> </del>	<del> </del>	<del> </del> -		<del> </del>	9			
46/ 45		• 4	.4		7			••		}	1	j						9		13	
44/ 43		.4	2.1	1.4	2.1	_		<u> </u>	<del></del>	1	<b>†</b>	<b>-</b>		<del>                                     </del>	1	<b></b> -	<del> </del>	18	24		6
42/ 41		.7	•••	4.3	1.8	•								ĺ				19			
40/ 39	. 4	2.1	2.5	2.5	.7													23	37	16	6
38/ 37	1.4	1.8	2.5	3.2	. 4				<u> </u>			<u> </u>				<u> </u>	<u> </u>	26	33		
36/ 35	.7	. 4	2.5			.4		1			Ì	1		1			1	20			13
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28/ 27		2.1	3.9 1.4	3.9 2.1								1		1				15	24		
24/ 23		7.7	1.8				<u> </u>		<del> </del>	-	<del> </del>	$\vdash$		+	<del> </del> -		<del> </del>	10		18	
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Element (X)		ZXI			Σχ	<del>'  </del>	X	•,		No. 0	be.				Mean	No. of I	lours wit	h Tempera	ture	-	
Rel. Hum.												± 0	F	≤ 32 F	≥ 67	F	≥ 73 F	≥ 80 F	- 93	F	Total
Dry Bulb																					
Wet Bulb				I				i													

USAFETAC LUN 71 0-26-3 (OL A) PREVIOUS TDITIONS OF THIS FORM ARE OBSOLETE

Dew Point

GLOBAL CLIMATULOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION	<u>MA</u>	KIIN	MAR	1511	TATION N	AME	LD M	:)		71.	79			YI	ARS					— FI	E IS
																		PAG	E 2	18.004 HOURS (	-2000
Temp.						WET	BULB	TEMPER	ATURE	DEPR	SSION	(F)		<del></del>				TOTAL	<u> </u>	TOTAL	
(F)	0	1 - 2	3.4	5 - 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 2	4 25 - 26	27 - 28	29 - 30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Pel
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Element (X)		Σχ'			ž <sub>X</sub>		I	•		No. O					Magn	No. of M	auca wie	h Tempera	ture	<u> </u>	
Rel. Hum.			5598					8.5		~	82	± 0 1	-	≤ 32 F	≥ 67		73 F	> 80 F	* 93	F .	Tetal
Dry Bulb			9170		174	50	35.5	0.9	73		91			36.6		•2		<del>  •••</del>	1		84
Wet Bulb		33	7561	T	94	27	33.4	8.9	33		82		$\neg$	37.8				†	1		84
Dew Point			2302		70	40	25.0	1.4	0.5		82		. a	62.9	1			<del>                                     </del>			84

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLUCY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

MARTIN MARIETTA AIRFIELD MD FEB 93744 STATION 71-79 YEARS 2100-2300 HOURS (L. S. T.) PAGE 1

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44/	43			•6		1.3			l		1								3	8	4	2 3 5
42/	41		. 6	2.5	3.2	2.5		<u> </u>	<u> </u>		ļ						<del> </del>		14	23	7	3
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38/		3.8	-6	3.8	2.5	-6										ļ	<b>}</b>		18	27		10
36/	35	• 6	3.2	1.9	2.5				İ								İ	1	13	16	14	7
34/	33	1.9	1.3	1.9												<u> </u>	ļ		8	25	24	11
32/	31		5.1	3.2	1.9					ļ	1								16	37	12	11
30/	29		1.3		1.9				<u> </u>		<u> </u>								5	20		12
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24/	23		3.2	1.9	1.3														10	29	9	16
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Wet Bu									├─	-+-						<del> </del>			<del> </del>			
Dew P	L								<del> </del>	-				+-					<del> </del>	+		
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USAFETAC FORM ARE OF SOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

3744 STATION	<u> </u>	RTIN	MAR	TETT	A AI	RFIE	LD M	n		71-	79			YE	ARS				F I	EB NTH
•				·													PAGE	2	2100-	
						WET		75405	ATIL	E DEPRI	CEIAN	/E1			************		TOTAL	***	TOTAL	
Temp. (F)	0	1.2	3.4	5.4	7.8	9 . 10	11 . 12	19 14	15 - 1	17 . 18	19 . 20	21 - 22	23 - 2	4 25 - 26	27 - 28 29	- 30 = 31	D.B./W.S.	Dry Bulb	Wet Buib	Dew P
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Element (X)		ZX'			žχ		Ĭ	•,		No. O							th Temperat			
Rel. Hym.		74	1814	<u> </u>	104	10	66.3	10.1	82		57	<b>5</b> 0	F	≤ 32 F	≥ 67 F	≥ 73 F	> 80 F	a 93	F	Tetal
Dry Bulb			3365		124	75	31.6	يميا	02		94			46.5	ļ	<del> </del>				
Wet Bulb Dew Point			6553 2641		49	25	31.4	<u> </u>	72		57 57		.7	39.6		+				

GLOBAL CLIMATOLOCY BRANCH USAFFTAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

MARTIN MARTETTA AIRFIELD MO 71-79 STATION NAME PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B./W.S. Dry Bulb Wet Bulb Dow Point 74/ 73 3 .0 70/ 69 .0 .0 . 1 .0 6 6 68/ 67 66/ 65 • 0 . 1 . 1 .0 10 13 0 15 64/ 63 0 18 62/ 61 • 0 . 2 .1 . 1 . 2 .0 25 28 60/ 59 . 2 , 3 58/ 57 .1 27 32 11 57 52 54/ 53 . 2 54 60 30 . 2 9 69 52/ 72 . 3 50/ 49 .6 . 6 . 9 82 94 40 48/ 47 91 102 .3 46/ 45 1.0 . 9 98 107 75 21 44/ 43 . 8 1.2 140 31 76 155 42/ 41 122 123 1.0 1.2 40/ 39 169 60 152 2.3 2.5 194 239 100 38/ 37 1.7 1.7 163 153 203 128 36/ 35 198 1.6 34/ 33 1.6 . 5 • 0 143 216 170 105 1.9 116 32/ 31 163 249 160 30/ 29 3.0 2.0 , 5 155 217 166 178 141 28/ 27 147 209 153 104 174 26/ 25 .9 2.6 172 142 73 117 24/ .7 22/ 21 51 108 113 1.2 20/ 46 90 79 . 7 18/ 17 33 58 126 • 7 48 17 54 16/ 44 98 14/ 13 22 • 1 24 95 23 10 10/ . 1 73 8 72 Element (X) Mean No. of Hours with Temperature Rel. Hum. 10 F ≤ 32 F Total Dry Bulb

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Wet Buib Dew Point

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GLOBAL CLIMATOLORY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

93744 MARTIN MARIETTA AIRFIELD MD 71-79

### **PSYCHROMETRIC SUMMARY**

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					WET	BUL 6.	TEMPER	ATURE	DEPRE	SSION (	<b>5</b> )			<del></del>			TOTAL	<del></del>	TOTAL	
٥	1.2	3.4	3.4	7.8	. 10	11 - 12	13 . 14	15 . 14	17 - 18	19 - 20	21 . 22	23 - 24	25 . 26	27 - 28	29 . 10	a 31	D.B./W.B.	Dry Bulb	Wat Bulb	Daw Pa
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~	437	8017		1117	79	35.4	1.5	40							$\overline{}$		·	1		67
				741	96	32.6	9.5	81	22	72							<b>†</b>			67
	164	040"	<del> </del>	546	16	24 A	1 2 X	33	22		1.5	- 1 #	~ F ~		-+		<del>                                     </del>	<del></del>		672
	5.1	5.119.9 5.119.9 5.119.9 5.119.9	5.119.926.5  5.119.926.5  2x <sup>1</sup> 9263919 4379017	5.119.926.522.9  5.119.926.522.9  2x1 9263919 437.017 2630482	5.119.976.572.913.0  5.119.976.572.913.0  5.129.976.572.913.0	0 1.2 3.4 3.6 7.8 7.10 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	### SULS:    0	### SULB TEMPER    0	WET BULB TEMPERATURE  0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	### SULS TEMPERATURE DEPRE    0	### BULB TEMPERATURE DEPRESSION (   0	### BULB TEMPERATURE DEPRESSION (F)    0	WET BULB TEMPERATURE DEPRESSION (F)  0 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24  .0 .0	WET SULS TEMPERATURE DEPRESSION (F)  0 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26    0 0	Net bulb Temperature Depression (p)	### BULE TEMPERATURE DEPRESSION (F)    1	#ET BULB TEMPERATURE DEPRESSION (F)    0	PAGE    VET BULS TEMPERATURE DEPRESSION (F)   TOTAL	PAGE 2    WET BULB TEMPERATURE DEPRESSION (F)   TOTAL	PAGE 2

USAFETAC LON 71 0-26-3 (OL 4) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

MAR

MARTIN MARIETTA AIRFIELD MD 71-70 PAGE 1 0600-0800 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Buib Wet Buib Dew Point 66/ 65 • 8 64/ 63 62/ 61 1 ī 60/ 59 . 8 . 8 58/ 57 3 4 3 56/ 55 3 54/ 53 1.2 .4 4 5 **5** į 3 اق و 11 50/ 49 1.2 48/ 47 1.9 1.9 10 16 2.7 1.9 46/ 45 . 8 21 27 1.2 44/ 43 2.3 2.3 .4 20 24 14 10 42/ 41 3.8 3.5 1.2 23 30 13 3.1 1.9 15 20 40/ 39 22 34 38/ 37 1.2 2.7 2.7 1.5 24 20 24 4.6 1.5 36/ 28 17 19 34/ 33 2.7 4.6 1.5 24 26 26 1.2 1.9 32/ 31 10 20 30/ 29 .8 1.5 2.7 15 16 24 28/ 27 2.3 1.9 13 . 8 . 8 . 4 9 26/ 25 5 13 21 24/ 23 12 14 3 3 22/ 21 • 4 20/ 19 16/ 17 12 16/ 15 8 14/ 13 5 12/ 10/ 2 7 8/ 5 6/ 0/ -1TOTAL 5.832.371.272.3 6.5 1.5 260 260 No. Obs. Element (X) \* Mean No. of Hours with Temperature Rel. Hum. 1399048 18556 71.416.838 250 ≤ 32 F ≥ 73 F ≥ 80 F ≥ 93 F Dry Bulb 93 39.8 0.872 549632 13134 17.8 330 Wet Bulb 367073 9495 36,5 8,858 260 32.9 43 30.911.718 Dew Point 93 283566 8030 260 49.4

ð EDITIONS ₹ ಠ 26-3 ó FORM JUN 71

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USAFETAC

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

93744 MARTIN MARIETTA AIRFIELD MD 7.1=76 MAR
STATION STATION NAME

PAGE 1 0900=1100
HOURS (L. S. T.)

Tomp. WET BULB TEMPERATURE DEPRESSION (F)

Total Total

Temp.							BULB '												TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 -	28 29	9 - 30	× 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poi
72/ 71							.2	I								Т			1	1		
70/ 69				.4		2													2	3		
68/ 67								.2											1	1		
66/ 65			. 2	. 5	.4	.2	1	2	1	. 2								1	9	, ,	ì	1
64/ 63	,	.4				.2		.2	.5										12	12	2	
62/ 61		• 1	2	. 4	.2	7		2	"										12	12	, F	
60/ 59		. 4				.4									<b>—</b>	$\top$			11	13	4	
58/ 57		•	.4	.7		. 7													13	21	9	
56/ 55		.2	.4		.4	, 2													6	10	7	9
54/ 53	. 2	.7	. 5	.9	1.1	.7		.2											25	31	10	
52/ 51	, 2	1.4	1.1	.7		, 5										T			30	35	19	<del></del>
50/ 49	4	1.8	9	9		.4	4		L.										34	40	25	
48/ 47	1.2	1.2	1.2	2.1	2.3			. 2							T	T			55	67	41	
46/ 45	9		1.8	1.9		1.4	2			L						_\		<u> </u>	53	63	28	
44/ 43	1.1	.9	1.2	.9	2.8	1.1									1	T			46	48	40	
42/ 41	7	1.2	ial	1.4	3.4	1.4								İ	l			<u> </u>	52	57	43	
40/ 39		1.6	1.8	3.0	3.0	. 4										Т			55	60	45	33
38/ 37	5	1.1	1.2	2.1	1.1	- 4	L												36	37	33	2:
36/ 35	. 2	1.6	. 5	2.1	1.6				i						T				34	37	62	3
34/ 33	4	.7	1.1	1.2	-4	i	L							L		$\bot$		<u></u> _	21	24	55	25
32/ 31	,5	.4	.7	1.9	.2	}													21	24	43	39
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22/ 21		l	. 2	<u> </u>	<u> </u>	L	l	L	<u> </u>	<u> </u>									1	1	6	31
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6/ 5	· · · · · · · · · · · · · · · · · · ·													[								
6/ 3								1					<u></u>									1
Element (X)		ΣX,			ZX		X	•,		No. Ol	18.				Mea	n No	. of H	ours with	Temperat	ture		
Rei. Hum.									$_{\perp}$			<b>±</b> 0	<b>F</b>	= 32 F	5	67 F		73 ₹	≥ 80 F	» 93	F	Total
Dry Bulb																						
Wet Bulb																	$\Box$					
Dew Point								I									T					

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

SAFETAC FORM

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

MARTIN MARIETTA AIRFIELD MO MAR 71-78 0900-1100 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 ≥ 31 D.B./W.B. | Dry Builb | Wet Builb | Dew Peint Temp. (F) 2/ 1 6.516.616.824.421.2 9.4 3.4 566 TOTAL 366 566 Zx' No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hum. 35409 62.620.049 566 10F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F | > 93 F Total 2442301 1324951 28623 44.5 9.069 39.0 3.705 Dry Bulb 643 9.0 93 Wet Bulb 902215 22055 22.7 566 51.1 93 Dew Paint 630404 17604 31.112.111 556

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM AKE OBSOLETE

### **PSYCHROMETRIC SUMMARY**

93744 MARTIN MAKTETTA AIRFIELD MD PAGE 1 1200-1400 HOURS (L. S. T.) Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Buib Dew Peint 80/ 79 78/ 77 76/ 75 74/ 73 72/ 71 . 2 2 70/ 69 68/ 67 B 66/ 65 64/ 62 16 20 62/ 61 18 60/ 59 21 28 19 39 56/ 55 .7 1.1 . 6 30 6 29 32 21 27 52/ 51 33 40 50/ 49 68 12 56 48/ 47 1,5 2.4 48 55 14 65 46/ 45 30 68 3.0 37 46 23 21 42/ 41 42 44 34 28 29 40/ 39 . 4 .7 1.3 22 43 25 20 15 17 36/ 35 16 62 34 44 32/ 31 13 13 29 36 30/ 29 23 28/ 27 31 36 24/ 23 36 34 20/ 19 31 18/ 16/ 15 24 No. Obs. Mean No. of Hours with Temperature Element (X) \$ 0 F ≤ 32 F Dry Bulb Wet Bulb Dew Point

ORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

93744 STATION	MARTIN MARTETTA AIRFIELD MO	71-76 YEARS	MAR
		PAGE 2	1200=1400 HOURS (L. S. T.)

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Temp.						WET	BULB	TEMPE	RATURE	DEFRE	SSION (	P)			J				TOTAL	S. 8.11	TOTAL	Dew Peint
(P)	0	1 . 2	3 - 4	5 . 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 3	28 29	9 - 30	231	0.0.7 4.0.	Dry Bulb	W47 6010	Dew Pein
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Element (X)		ΣX1			ZX		X	•,		No. O	) F				Mea	n No	of H	ours wit	h Tempero	ture		
Rel. Hum.		184	4453		294	57	54.7	20.8	82	5	39	± 0	F	≤ 32 F	2	67 F		73 F	≥ 80 F	* 93	F	Total
Dry Bulb			0119		306	79	48.4	9.3	70	6	34			4,4		2.	0	. 9		1		93
Wet Bulb		94	4888		221	42	41.1	9.3	26	5	39			14.0			1					93
Dew Peint	·····	60	1069		167	40	31.1	2.2	40		39			52.8			1-		1			93

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OF SOLETE

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# PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MO MAR YEARS

1500-1700 HOURS (L. S. Y.) PAGE 1

Temp.						WET	BULB	TEMPE	RATURE	DEPRE	55, . H (	F)						TOTAL	1	TOTAL	
(F)	0	1 - 2	3 . 4	5 . 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb		Dew P
80/ 79									. 2									1	1		1
76/ 75							4		L				ĺ	l				2	3	ļ	1
74/ 73						+2											-	1	2		
70/ 69						. 2	.4	.4	ĺ	. 2	į .	.2	l	1	li			7	8		1
68/ 67					,2		, 2				,2							3			<del>                                     </del>
66/ 65				2	. 4	- 4	. 2	-4	1		2							9	11		1
54/ 63					, 9	.4	• 2		.4	.2								10		4	1
12/ 61			. 2	. 4	1.3	.7			. 9	.2								28	34	,	1
50/ 59		.2		. 2		.7	.4		. 4									14	24	4	<del>                                     </del>
58/ 57				. 2	. 7	9	7	. 4										13	19	- 6	
56/ 55	. 2	.9	.9	1.6	.4	2.5	,7	1.3	. 2									39		14	
54/ 53	2	9	. 2		.7	9	3.4	lal	. 4									39		14	
52/ 51		1.1	. 9	.7	. 9	.9	2,7	, 4										37	50	17	
10/ 49		1.6	. 9		2.0	2.7	2.7	7	L	<u> </u>				L				50	52	38	1
48/ 47		2.2	.4	.7	2.6	1.8	1.6	.9	[									43	52	29	
46/ 45	2	.9	. 4	9	106	1.8		2										28	31	40	ī
4/ 43		.4		.7	1.5	2.7	.4											26		27	2
2/41	2	9		1.3	2.2	1.3	. 4							Ĺ		_		29	35	47	ī
0/ 39	. 2		• 4	.4	2.0	• 7	-											18	22	47	2 1 2
18/ 37		.7	. 9	7	4	- 4												14	17	30	1
6/ 35		.4	.7	. 4	9					ļ								11	21	40	1
14/ 33		7		. 9										<u> </u>				11	13	25	1
2/ 31			.7	. 9	.2													8	10	30	2
10/ 29		7																3	5	16	3
28/ 27		. 2		1					İ									1	4	0	3
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lement (X)		ΣX,			X		<u> </u>	<b>"</b> ,		Ne. Ob	s						urs with	Temperat	lure		
el. Hum.												= 0 1	• •	32 F	≥ 67	F 3	73 F	≥ 1,0 F	≥ 93 F		Total
ry Bulb																					
ot Bulb						4			_ _									L			
ew Point									- 1		1		- 1					1			

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DISCUETE

## PSYCHROMETRIC SUMMARY

3744 STATION	. 125	RTIN	nak	81	TATION N	AME				<i>1.</i> 1	18			YE	ARS		PAGE	2	1500 HOURE	AR NTH -1700
Tomp.			<del></del>			WE 7	BIII A	784881	RATURE	DEPP	ISSION (	8)					TOTAL		TOTAL	
(F)	0	1 - 2	3.4	5.6	7 - 8	9 . 10	11 - 12	13 - 14	15 - 14	17 - 18	19 - 20	21 - 22	23 . 24	25 . 26	27 - 28 29	- 30 × 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Pe
8/ 7 6/ 5									13-3									<del> </del>		
TOTAL	1.1	12.1	7.6	11.9	18.9	19.3	16.2	8.1	3.4	.7	• 4	• 2					445	573	445	44
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Element (X)		Z X 2	L	<u> </u>	ZX	<del></del>	<del>                                     </del>	<del>  •</del> ,		No. O	bs.	<u> </u>	<u> </u>	<u> </u>	Mean No.	of Hours w	th Tempera	lure	·	<u></u>
Rei. Hum.			2643			05	31.7			4	45	⊴ 0	F	≤ 32 F	≥ 67 F		≥ 80 F	≥ 93	F	Total
Dry Bulb		148	R742		287	02	50.1	9.4	46		73			3.1	3.2	1.0	) .	2		9
Wet Bulb			6807		186	21	41.8	7.8	86	4	45			12.5		1				9
Dew Point	_	48	0680		138	22	31.1	11.6	60	4	45		i	56.4		1				9

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### **PSYCHROMETRIC SUMMARY**

93744 MARTIN MARIETTA AIRFIELD MO 1800-2000 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Peint (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 72/ 71 70/ 69 68/ 67 66/ 65 64/ 63 . 7 • 7 62/ 61 . 3 60/ 59 .3 .3 13 1.0 21 58/ 57 Я • 3 17 56/ 55 1.0 1.0 1.4 1.0 28 54/ 53 23 30 3 5 . 3 1,4 52/ 51 1.0 14 24 10 50/ 49 28 48/ 47 1.7 4.2 3.1 2.8 56 5 43 24 46/ 45 20 32 44 1.7 2.1 1.7 2.1 2.4 19 34 13 44/ 43 . 3 22 42/ 41 20 26 34 . 3 40/ 39 26 1.0 1.7 1.0 15 21 23 38/ 37 1.7 3.5 15 36/ 35 1.4 . 3 .3 1.4 10 22 34/ 33 1.0 14 22 •3 1•4 •7 1•7 32/ 31 10 14 21 30/ 29 22 28/ 27 10 26/ 25 8 24/ 23 9 22/ 13 20/ 19 18/ 17 16/ 15 21 12/ 11 10/ 9 8/ 1 Element (X) Mean No. of Hours with Temperature Rel. Hum. ± 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F Dry Bulb

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE O

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SAFETAC FORM 0

Wet Bulb Dew Point

### **PSYCHROMETRIC SUMMARY**

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93744 MARTIN MARIETTA AIRFIELD MD 71-76 MAR PAGE 2 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Paint (F) 447 TUTAL 286 ¥ "x Element (X) No. Obs. Mean No. of Hours with Temperature 267 F 273 F 280 F 293 F 56.718.886 Rei. Hum. 1021655 16221 ⊴ 32 F Dry Bulb 20922 46.8 8.978 1015208 447 6.4

286

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FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SAFETAC FORM

Wet Buib

Dew Peint

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8761 30.611.540

## **PSYCHROMETRIC SUMMARY**

3744 STATION	<u>AM</u>	RTIN	MAR	TETT	A AI	RFIE AME	LD M	<u>n</u>		71-	7.a			YE	ARS					M A	ITH .
																		PAG	E 1	2100-	2300
Temp.								TEMPER/										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 22	29 - 30	× 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dow Poi
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64/ 63		}		1				\ \ \							1 1			1	2	1	
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58/ 57		.6		.6			.6											3	9	3	
54/ 55				6			ļ											1	-11		
54/ 53		•6				.0		] [		1 1							ļ	5	15	1	
52/ 51	<del></del>	1.2	407	_						<del>  </del>				<b> </b>			<del> </del>	13	26	4	
50/ 49	1.2		•6	1.8				}									}	9	23 21	4	
48/ 47	-146	2.9	5.9			.6	<del> </del>			<del>  </del>		<del>                                     </del>	<del> </del>		<del>                                     </del>		<del> </del>	27	40	11 5	
44/ 43		2.7	3.6	2.4	1.8	1.8						}	1		1		1	12	23	13	1
42/ 42		1.2		4.7	4.7					1								18	38	16	
60/ 39		1.2		1														18	27	16	
38/ 37	.6	1.2	.6	3.5	1.2	.6												13		12	
36/ 35			6				<u> </u>					ļ	ļ		<b></b> _			10	22	21	
34/ 33		2.9	1.2	2.9	.6	1									(			13	20	15	
32/ 31			<del> </del>	2.9		<del> </del>	<del> </del>	<del>  </del>		┼		<del> </del>	<del> </del>	<del> </del>	<del>  </del>		<del> </del>	<u> </u>	11	17	
30/ 29			, ,	.6	)	ĺ						[	1	}				1	11	10	1
28/ 27 26/ 25	6	- 6	1.2	6	+		<del>                                     </del>	<del>  </del>		+		<del> </del>	<del> </del>		<del>                                     </del>		<del> </del>	1 3	2	1.2	1
24/ 23		1	}		}	}							}					}	2	5	1
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16/ 15			<del> </del>	<del> </del>	ļ —		<b> </b>	<del>                                     </del>				<del> </del>		<u> </u>	<b>├</b> ──		<del> </del>	<del> </del>	<u> </u>		1
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10/ 9 DTAL	3.5	17.1	14.2	32.4	<b>b</b> 1.2	5.0	1.8						}	1			}	1	345		_17
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Element (X)		Z X²		<del> </del>	ZX		I	· ·	7	No. Ob	8.	<del> </del>	L	<u> </u>	Mean N	o. of H	ours wit	h Tempera	ture	L	l
Rei. Hum.		72	0097		106	17	62.5	18.3	71	1	<b>7</b> ú	± 0	F	≤ 32 F	≥ 67	F .	73 F	> 80 F	• 93		Total
Dry Bulb		68	0675		150	29	43.6	8.69	90		45			9.2		5					9
Wet Buib			2412					7.6			70			25.7				<u> </u>			9
Dew Point		17	3551		50	87	29.9	11.23	34	1	<b>7</b> 0		L_	58.5							9

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

9477 54321

# PSYCHROMETRIC SUMMARY

3744	MA	RTIN	MAR	IETT	A AI	RFIE	LD M	D		71-	78_										۸R
STATION				\$1	ATION N	AME								Y	ARS					_	YTH .
																		PAGI	E 1	HOURS	L <b>L</b> L. S. T.)
Temp.										DEPRE					,			TOTAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14			19 - 20	21 - 22	23 - 2	4 25 - 26	27 - 28	29 . 3	0 - 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
80/ 79 78/ 77								.0	.1			1	1	İ		<u> </u>  -		1	1		
76/ 75 74/ 73						1	•2											4 3	5 4		
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70/ 69				.1	٥.		1	1		,0		.0						11	14		
68/ 67 66/ 65			•0	. 2	.1	• 0		•1			.0							12	17 38	,	
64/ 63		. 1	•0	.4	.3			,2	.3		• •			1	<b></b>	<del>                                     </del>	<del> </del>	45	58	10	
62/ 61		1	. 3	. 3	. 6	16	96	. 2	.3	.0					ļ			66	80	9	
50/ 59	•0	•6	•2	.4	.3	. 5	. 4	.4	.3	.0				1				67 59	101	19	1
56/ 55	• 0		.5	.8	,5			.5	.0							1	1	96	138	35	3
4/ 53		1.0	. 3	8	9	- 8		3	-2			ļ		<b></b> _		ļ		126	164	63	
52/ 51	. 1	1.2	1.0	1.3	1.4		1.0	.2				1						133 178	185 225	76 110	3
8/ 47	.7	1.7	1.0		1.8		1.1											216	272	145	1
6/ 45	.4	1.6	1.5	1.0	2.0		, 5	_	<del> </del>	ļ								226 165	273	162	1
2/ 41	. 2	1.5	8	1.5	2.2		1										1	184	230	187	
0/ 39	٤.	1.0	1.1	1.7	2.0	• 6											T	150	187	199	1
38/ 37 36/ 35	•4	1.4	101	1.6	1.0	• 3	<del> </del>	<del> </del>	<del> </del>				-	+			<del> </del>	132	160 143	167 224	1
4/ 33	. 1	1.0	1.3	iii	2		<u> </u>		L	<u> </u>						<u> </u>		85	112	187	ç
32/ 31 30/ 29	.1	.4	. 6 . 8		.2													63 54	80 _75	167 121	12
28/ 27	.1	.6	. 4	. 2														3 :	51	76	13
26/ 25		1	.0			<del> </del>		<del> </del> -	-	ļ —				<del> </del>		├	+	1 2	20	<u>53</u>	1!
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18/ 17			<del> </del>	<del> </del>		<del>                                     </del>	<del> </del>	<del> </del>		<del> </del>	<del> </del>	<del> </del>	<b></b>	+		<del>                                     </del>	+	<del> </del>	1	3	10
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lement (X)		Σχ'			z x		X	*		No. Ol					<del></del>			th Tempera			
Rel. Hum. Dry Bulb				<del> </del>				┼				⊴ 0	<u>-</u>	± 32 F	≥ 67	-	≥ 73 F	- 80 F	* 93	<u> </u>	Total
Vet Bulb				<del> </del>									-+-		┼				<del> </del>		

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Dew Point

GLOBAL CLIMATOLOGY BRANCH
USAFFTAC
AIR WEATHER SERVICE/MAC

93744 MARTIN MARIETTA AIRFIELD MO
STATION NAME

STATION NAME

MARTIN MARIETTA AIRFIELD MO

## **PSYCHROMETRIC SUMMARY**

TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | × 31 | D.B./W.B. Dry .uib Wer Bulb Dew Point 12/ 11 55 10/ 8/ 6/ 4/ 3 0/ -1 TOTAL 3.716.214.020.319.313.2 8.3 3.1 2974 2266 2266 2266 Element (X) No. Obs. Mean No. of Hours with Temperature ZX ≥ 73 F ≥ 80 F 8799197 133267 1 32 F 58.820.604 2266 Dry Bulb 46.1 9.651 39.8 n.463 30.911.866 137174 2974 6604552 60.0 3.0 744 2266 2256 Wet Bulb 90154 3749038 155.6 744 Dew Point 70053 .7 424.9 2484601 744

71-78

AM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### **PSYCHROMETRIC SUMMARY**

APP MARTIN MARIETTA AIRFIELD MD 0600=0800 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 72/ 71 .4 1.1 5 5 70/ 69 68/ 67 1.8 •7 13 11 66/ 65 6 . 7 17 64/ 63 8 62/ 61 60/ 59 . 4 1.1 1.1 11 13 5 6 58/ 57 1.1 22 56/ 55 15 1.1 16 1.1 8 53 12 52/ 51 1.1 2.2 29 27 11 1.5 16 50/ 49 23 39 48/ 47 3.7 13 1.1 3.3 29 34 25 1.8 28 46/ 45 2.6 1.5 23 44/ 43 20 31 12 42/ 41 19 34 40/ 39 1.1 1.8 12 21 . 4 22 38/ 37 10 30 36/ 35 10 34/ 53 19 17 30/ 29 19 28/ 27 24/ 23 6 20/ 19 16/ 15 14/ 13 12/ 11 TOTAL 2.214.719.122.823.511.8 4.4 338 272 272 272 Element (X) Mean No. of Hours with Temperature Rel. Hum. 17451 272 1197955 ≤ 0 F ≤ 32 F 267 F 273 F 280 F 293 F 64.217.001 Dry Bulb 90 889678 17104 50.6 8.466 33a 1.1 5.9 45.3 8.578 38.51.426 3.6 27.1 Wet Bulb 577782 12318 90 272 Dew Point 90 439242 10468

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### **PSYCHROMETRIC SUMMARY**

93744 MARTIN MARIETTA AIRFIELD MD 0900-1100 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 2 2 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 86/ 85 84/ 83 82/ 81 . 2 2 2 80/ 79 78/ 77 3 76/ 75 74/ 73 14 14 72/ 71 , 3 70/ 69 68/ 67 66/ 65 • 2 . 3 1.0 . 3 27 30 14 64/ 63 33 36 10 62/ 61 18 31 34 22 60/ 59 1.4 28 30 58/ 57 . 3 1.6 2.1 1.0 38 39 16 56/ 55 64 66 16 23 54/ 53 . 3 1.0 .7 2.1 2,3 2.6 60 67 22 10 52/ 51 59 53 38 50/ 49 1.2 1.0 25 1.2 41 60 48/ 47 29 1.6 46/ 45 1.4 1.7 39 36 35 76 44/ 43 1.0 25 26 28 63 42/ 41 1.2 32 • 2 15 16 40 40/ 39 8 39 6 . 3 38/ 37 32 2 3 21 36/ 35 46 34/ 33 . 2 3 14 32 32/ 31 39 30/ 29 2 45 19 28/ 27 26/ 25 24/ 23 20 14 22/ 21 24 20/ 19 Mean No. of Hours with Temperature 2 0 F ≤ 32 F Dry Bulb

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE

(1

JSAFETAC FOR

Wet Bulb

## **PSYCHROMETRIC SUMMARY**

APR

93744 STATION	MA	RTIN	MAR	TETT	A AI	RFIE	LD M	ח		71-	78			YE.	AR5	<del></del>	· · · · ·			мо	PR NTH
																		PAGI	E 2	09001	-1100 L. S. T.)
Temp.						WET	BULB 1	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poin
18/ 17					<del> </del>					1											8
16/ 15																					10
16/ 15			<b>—</b>	<del></del>		<del>                                     </del>		<del></del>		<u> </u>							<b></b>	<del> </del>	<u> </u>		10
12/ 11																					2
TOTAL	1.9	9.1	6.3	11.0	20.6	22.7	15.4	6.8	4.5	1.0	.3		.2					·	621		572
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Element (X)		Zx2		<del>                                     </del>	Σχ	ΉТ	X	•,		Ne. Ol	55.				Mean	No. of H	ours wit	h Tempera	ture	<del>'</del>	
Rel. Hum.			9250		308	32	53.0	18.5	90		72	± 0	F	≤ 32 F	≥ 67		73 F	* 80 F	a 93	F	Total
Dry Bulb		196	4857		344	43	53,9 55,5	0.3	78		21		_	. 4			4.9				90
Wet Bulb			0197		270	45	47.3	8.5	22		72			3.0		•6	····				90
Dew Point			0061		216	53	37.9	11.8	45		72			31.8				<del>                                     </del>			90
		7.0	$\nabla V \nabla V$		<b></b>	7 7	- 127	<b>*</b> • • •	V Z		, Z			7 6 7 9	1			1			- 4

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE FORM 0-26-3 (OL A)

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### **PSYCHROMETRIC SUMMARY**

Mean No. of Hours with Temperature

≤ 32 F

13

93744 MARTIN MARIETTA AIRFIELD MD 71-78 1200-1400 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Buib Wet Buib Dew Point 88/ 87 .5 . 5 86/ 85 84/ 83 5 82/ 81 80/ 79 . 2 . 2 .4 5 77 71/ 76/ 75 76/ 73 72/ 71 12 13 70/ 69 34 68/ 67 29 33 34 64/ 63 41 40 62/61 45 47 60/ 59 2,5 2.2 . 5 51 55 1.1 25 58/ 56/ 55 1.1 36 43 56/ 53 52/ 51 1.8 1.3 39 49 50/ 49 28 30 2.0 24 61 46/ 45 59 . 7 1.1 . 2 29 44/ 43 21 24 41 26 40/ 39 3 23 24 40 36/ 35 2 11 34/ 33 32/ 31 6 30/ 29 33 28/ 27 21 23 26/ 25

M 0-26-3 (OL A) PREVIOUS EDITIONS OF TH

FETAC FORM

24/ 23 22/ 21 Element (X)

Dry Bulb Wet Bulb Dew Point

# **PSYCHROMETRIC SUMMARY**

93744 STATION	MARTIN MARIETTA AIRFIELD MD	71-78	APR MONTH
		PAGE 2	1200-1400 HOURS (L. S. T.)

									TEMPER	A T110		221011								TOTAL		TOTAL	L. 3, T.)
Temp (P)		0		• 4	-	1	WEI	BULB	EMPER	ATURE	DEFRE	SSIUN (	100 00				T			DR/WR	D. B. II.	Was Bull	Dew Point
20/	19	0	1 - 2	3 - 4	5.3	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 2	8 27 -	28 29	- 30	≥ 31	J.55 #.6.	Dry Bulb	Wet Dulb	15
18/	16								<del> </del>				<del></del>		-	+					<del> </del> -	<del> </del> -	7
14/	13			1		1	1	Ì	1						1	1							2 5
12/	11								<del> </del>		<del> </del>				<del> </del> -	<del> </del>					<del> </del>		3
-8/	<b>9</b>												}				1				!		1
-8/ OTAL		2.5	7,4	5.4	5,6	9.9	16.4	21.6	13.1	9.7	4.5	2.0	1.1		• 9					556	616	556	556
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Element	(Y)		Z <sub>X</sub> 2			ZX	<u> </u>	¥	7,		No. Ol					Mar	n Ne	a( 14.	auga wial	Tempera	•		
Ret. Hu				2033		272	40		20.2	06		56	= 01	FT	± 32 F		67 F		73 F	> 80 F	* 93	F	Total
Dry Bul			223	2844	<b> </b>	365	64	59.4	0.0	92		16			. 2		0.6		7,9				90
Wet Bul	ь		138	2504		273	52	49.2	8.1	59		56			1.5		2.3	3					90
Dew Po	int		69	4863		213	45	38.4	1.6	57	5	56		. 2	29.5						1 -		90

USAFETAC FORM 10-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# **PSYCHROMETRIC SUMMARY**

93746 MARTIN MARIETTA AIRFIELD MD PAGE 1 1500-1700 HOURS (L. S. T.)

-							WET	BUIL B.	TEMPER	ATUDE	DEBR	ESSION A	E)						TOTAL	1	TOTAL	
Tem (F)		0	1 - 2	3 - 4	5 - 6	7 . 8								23 . 24	25 . 26	27 - 28	29 . 30	≥ 31	D.B./W.B.	Dry Bulb		Dew Point
90/	+		'	3.4		7.0	7 - 10	11 - 12	19-14	13 - 10	17 - 10	17 - 20	.2	20 - 24	23 - 20	27 20	27 - 50		,	1		
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82/									,6	.9					1				7	8		
80/	79								.2		. 2			.4					i i	7		ŀ
78/	77		1				• 2	,4		.2					İ				6	5	<b></b>	
76/							•	•		••			.4		• 2	i			3	7	]	
74/						. 2	• 2	, 9	.2	.2	.4	.4							12	14		
72/	71					6	1.1	4	4	1.5	2	. 6		.4					25	33		1
70/						.6	1.9	.2	1.7	1.3	1,1	. 9			1				36	42		
68/	67				2	2	. 6	1.5		1.5	آما	-66							27	34		
66/				. 2	. 2	1.5		. 4	, 2	2.6	1.1	. 2							30	37	11	
64/	63			9	6	6	1.5	2	1.7	1.5	1.1				ļ	 <del> </del>			37	42	10	
62/	61		.2	. 2	. 2	.9	.4	1,7	1.1	1.1	-								27	33	24	5
60/	59	.4	-4	. 2		2	1.3	3.7	3.2	۵۰					ļ				47	57		16
50/			.6		.4	.4	1.5	3,5	1.5	1.1		ļ							44	58		12
54/	55		4	1.7	2	. 2	.9	فمل	1.1						<u> </u>	L		ļ	30	38		11
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50/	49		.4	• 2	. 2	.6	1.3	1.5	.4		Ì								22	24		23
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26/			<del> </del>	<del> </del>		<b></b>		<u> </u>	<del> </del>	<del>                                     </del>	<del> </del>	<del>                                     </del>	<del>                                     </del>	<del> </del> -	<del> </del>	<del> </del>	<del> </del> -	<del>                                     </del>		<del> </del>	<del>                                     </del>	18
24/	22																				1	13
Elemen			Zxi	<u>'                                    </u>		ž <sub>X</sub>		¥	· ·		No. O	) bs.	<del></del>	<u> </u>		Meon I	lo. of H	ours wit	h Tempera	ture		
Rel. H									<del>                                     </del>				± 0	F	≤ 32 F	≥ 67		73 F	> 80 F	- 93	F	Total
Dry Bu									1							1		<u> </u>				
Wet Bu													<del></del>			1	1					
Dew P	oint						$\dashv$		<del> </del>							1	_				-	

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

12632 (

# **PSYCHROMETRIC SUMMARY**

3744 STATION	MA	RTIN	MAR	IETT	A A I	RFIE	LD M	ם		71-	78			YE	ARS						PR HTH
•																		PAG	E 2	1500 HOURS	
Temp.						WET	BULB	TEMPER	ATURE	DEPRI	SSION	F)						TOTAL		TOTAL	
(F)		1 - 2	3 · 4	5 - 6	7.8								23 - 24	25 - 26	27 - 28	29 - 30	2.31	D.B./W.B.	Dry Bulb		Dew Poi
22/ 21					·		<del>'                                    </del>	1.3	1.5	1	1	1		1	100			<del>                                     </del>		<del>                                     </del>	
20/ 19						İ		1				1									10
20/ 19										1		<del> </del>	-	<b> </b>				†		<del> </del>	10
16/ 15																					1
14/ 13									T	<del> </del>		1		1							3
12/ 11																				1	1
OTAL	2.2	6.0	6.3	3.7	10.4	14.7	17.9	13.8	13.0	5.8	2.8	1.3	1.1	1.1					572		463
										-		-						463		463	
								<b> </b>		<del> </del>								<u> </u>			
										<del> </del>				<del> </del>				<del>                                     </del>		<del> </del> -	ļ
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Element (X)		Z <sub>X</sub> 2			ž x		X	•	<u> </u>	No. O	) bs. 1				Mean N	lo. of H	ours wit	h Tempera	ture		
Rel. Hum.			5585			05		10.7			63	≤ 0	F	≤ 32 F	≥ 67		73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb		218	6751	<b></b>	348	99	61.0	0.0	36		72	······································	+	.5			9.0				9(
Wet Buib			8781		230	77	49.8	7.8	64		63			1.2				1			90
Dew Point			4407	T		50	28 4	11.1	90		42			29.0				1	<del></del>		90

USAFETAC FORM O 26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## **PSYCHROMETRIC SUMMARY**

93744 STATION	44	RTIN	MAR	IETŢ	A AI	RFIE	LD	1D		71:	78				EARS						PR
																		PAGE	ē 1	1800 HOURS	-2000 (L. S. T.)
Temp.				,	,				RATURI									TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 2	2 23 - 24	25 - 20	5 27 - 21	3 29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poi
86/ 85									,	1				, 3	)	1 1		1	2		
84/83		-	<del></del>	ļ	<del> </del>	ļ		<del> </del>	3	<b>4</b>	ļ	<del>  </del>	3		ļ			2	4	<u> </u>	<u> </u>
82/ 81	1		i				•	١.,	, 3	1								1	3		
78/ 77	<del> </del>	<del> </del>	<del> </del> -	.3	ļ. —	-	<del>                                     </del>		<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>			1		1	<u>_</u>	<del> </del>	<del></del>
76/ 75				• •		.3	• 3	. 3		٠,						1 1		•			
74/ 73	<b>1</b>	<del> </del> -		<del> </del>	, 3		<del> </del>	1	4	3	+	╁	<del> </del>	<del> </del>		┨──┤				+	<del> </del>
72/ 71		ĺ			7		.,	, ,	,	. 3			İ			!		3	7	1	
70/ 69	1				1.0	1.3			,7	1.0	13	1	· · · · · · · · · · · · · · · · · · ·	+	<del> </del>	-		14	19	<del> </del>	<del>                                     </del>
68/ 67					.3	1.7	. 3	. 7	· . ;	1.0	•	1				1 1		1 14	20		i *
66/ 65			.3		.7	1.3	, 3	1,0	1.3						<b></b>			16	26		<del> </del>
64/ 63		<u> </u>	_,3	7	2.0	1.0		فمقا	7					<u> </u>		1 1		22	30		
62/ 61			.3	.3	1.0	.7	, 3	2.0	.3									15	22		
60/ 59	ļ			.3	1.7	1a7	4.3	4	3				ļ			<u> </u>		26	37		1
50/ 57		_	.3	_	1.3	2.0	3,0	1.0	1.0	ŀ			İ					26	39	18	
56/ 55	ļ <u></u>	<u> </u>	1.0	7	2.6	3.6	2.1	قملا	4	ļ	ļ	<u> </u>	<u> </u>	ļ				37	56	9	1
54/ 53 52/ 51	1.0			1.0	1.0	2.3	1.0	1.0		İ						1 1		29	46		7
52/ 51 50/ 49		1.0	1.0	ARM	100	107			1	<del> </del>	<del> </del>		<del> </del>	<b>├</b> ─-	ļ	<del>  </del>		20	30		13
48/ 47			.7	1.7	2.0	1.0	1.0			ļ			1					17	28	35	13
46/ 45	<del> </del>	.3	-	-A & V	2,0	1,3		+	1-	<del> </del>	<del> </del>	-		<del> </del>	<del> </del>	+		13		36	11
44/ 43				. 3	1.0					1			1					8	13		14
42/ 41		,3			1,3		<del>                                     </del>	<del>                                     </del>	<del> </del>	<u> </u>	1-	<del></del>	<del>                                     </del>	┼	<del>                                     </del>	<del> </del>		5	-	27	11
40/ 39		1.0	.7		•••											1 1		3	ï	16	li
38/ 37		1.0						1		T			<u> </u>		1			3	3	+	23
26/ 35																		"	•		34
34/ 33																1		mi		2	
32/ 31	<u> </u>	<del> </del>						ļ	<u> </u>							<u> </u>				_	24
30/ 29	.3							ļ		İ								1	1	1	
28/ 27	7	<u>'</u>				<u> </u>		↓		<u> </u>			<b></b>					2	2		10
26/ 25	1																				10
24/ 23	<del> </del>							<del> </del>	<del> </del>			<del> </del>	<del> </del>	<u> </u>	ļ	<b>  </b>		ļI			12
22/ 21																					1
Element (X)	<u> </u>	Exi			z x	Υ	X	٠,		No. Ol	1 !	L	L		Hoo-	No of Pa		h Temperati			6
Rel. Hum.						-+-	<u> </u>	<del> </del> :	<del>'   -</del>	74. 01		* 0		12 F		no. of moi			DI - 02 1		T1

10 F

≤ 32 F

≥ 67 F

≥ 73 F

≥ 80 F

≥ 93 F

Total

FORM 0-26 3 (OL A) PREVIOUS EDITIC'4S OF THIS FORM ARE OBSOLETE JUN 71

Dry Bulb Wet Bulb Dew Point

277 S432

## **PSYCHROMETRIC SUMMARY**

93744	MARTIN MARIETTA AIRFIELD MD	71-78		APR
STATION	STATION NAME	YEARS		MONTH
			PAGE 2	1800-2000 HOURS (L. S. T.)
Temp.	WET BULB TEMPERATUR	E DEPRESSION (F)	TOTAL	TOTAL
(E)		4 17 10 10 00 01 00 00 04 07 04 07 00 00 00 0	DR/WR D. B.	IL Was Bulk Dam Bata

Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION	(F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	7 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 . 22	23 - 24	25 - 26	27 - 28	29 - 30	<b>≥ 31</b>	D.B./W.B.	Dry Bulb		Dew Po
18/ 17												†									
TOTAL	2.3	5.3	6.3	7.3	20.5	21.9	14.9	11.3	5.6	3.3	.7	1	,3	.3					454	}	30
			77.	-		7 1 1 -												302	,,,,	302	-
								ļ												ļ	
,								<b>†</b>					-								
			<del></del>	ļ				<b></b>				-									
														]							
				<u> </u>			ļ														
												<u> </u>									
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				-				-				<del> </del>									
																-					
						<del>                                     </del>		<del>                                     </del>										<b></b>			<del>                                     </del>
P1 .751					•	Ц,			L	A1. 6:							<u> </u>				<u> </u>
Element (X) Rel. Hum.		ZX,	9480		2 x 155	<b>E</b> A	X Sl 6	18.0		No. Ob		± 0 1		1 32 F	Mean Ne		73 F	Temperat ≥ 80 F	• 93		Total
Dry Bulb		157	<del>7400</del> 1718		263		<del>21.1</del> 58.1	9.4	30	<u> </u>	02 56	2 0 1		32 F	16.		6.3	2.0			10141
Wet Bulb			2691	<u> </u>	145		48.3	7.5			02			. 9	1.	-	.3			$\top$	
Dew Point			7103		116		38.4	10.1			02		$\neg \vdash$	25.9		3					

# **PSYCHROMETRIC SUMMARY**

STATION	AP .	KLIN	MAR	IETŢ	TATION N	AME	LD M	<u>y</u>	2	-76	L			YE	ARS.					MO	PR NTH
																		PAG	E 1	2100	
Temp.									ATURE DEF									TOTAL		TOTAL	
<b>(F)</b>	0	1 . 2	3 - 4	5 - 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16 17 -	15 19	- 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	<b>≥ 31</b>	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Pair
78/ 77								[ [				[							3		
76/ 75		<u> </u>			6		<u> </u>											1	3		
74/ 73				.6	ĺ	.6	•[	1	ĺ	- 1		I			l l			2	6		[
72/ 71			<u> </u>		ļ	ļ												<u> </u>	4		
70/ 69				1.3		ĺ				6	ļ		Ì					3	5		
68/ 67						ļ	ļ <u>.</u>	ļļ		_ _									2	2	ļ
66/ 65					1.3	2.6	1.3		j	- ]	]	j	ļ				)		12	}	}
66/ 63				فع	فعي	1.9		1.9										9	12	3	2
42/ 61			•6	,6	2,6	1	1,3				i		1				ļ	8	17		1
40/ 59					Les	-	•				+								12		
58/ 57			•6	1.3	104	3.2		<b> </b>		!	- 1							13	37	6	1
36/ 55	, 3	9.4		3 0		-					+							15	25	8	<del>-</del>
54/ 53 52/ 51	1.3	2.6	1.3	3,9	1,9	2.6	1	} }	1		- 1	ļ					ł	21	35 35	10	7
50/ 49		.6	400	2,6	3,2		1.3			+-	<del> </del>						<del> </del>	12	55	16	7
48/ 47	ï	• •	2.6	4,0	3.2	1.3	100			1	- }	Ì	1					ii	33	15	
46/ 45			1.3	.6		4,5			<del></del>			_						16	27	16	16
44/ 43		1.3				717				1	į	1								15	
42/ 41		. 6			2,6													4	5	11	3
40/ 39		.6	!		- 6			1 1	ļ	!	1	1			1		1	2	i	•	1
38/ 37		2.6		.6							` -†							5	11	12	
36/ 35	_	6			İ	Ĺ	Ĺ			1	- 1							i	l ï	12	18
34/ 33										7										6	12
32/ 31						<u> </u>	L			_′-		1					<u> </u>	L		i	7
30/ 29		.6								Ì								1	1	ī	5
28/ 27	6													[			<u> </u>	1	1	i	10
26/ 25							]	]	}	- [		}	J					]	]	]	1
26/ 23						<b></b> .	<del> </del>			- -	<del></del> i							<b> </b>	<del> </del>		3
22/ 21					]					j	- 1	,	J				]	1			. 5
20/ 19					<del> </del>	<del> </del>	<del> </del>	├			-+								<del> </del>		5
18/ 17					L .	L		_			- 1	ļ	j			į				)	1
DTAL	342	9.1	9.7	12.5	E Ba	Kle3	7.1	147	<del> -•</del>	•								155	325	155	155
									L_			1						<u></u>		197	
Element (X)		Σχ¹			ZX		X	*,	<del></del>	Obs.								h Tempera			
Rel. Hum.			2713	L	-92			7.31		155		± 0 F	1	32 F	≥ 67	F :	73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb			8747		174			8.65		325					6.		1.1		<del> </del>		90
Wet Bulb			6714		_71		46.0			155			_	107		2			<b></b>		90
Dew Point		24	0401		59	07	34.1	7.96	3	155			2	4.4							90

93744 MARTIN MARIETTA AIRFIELD MB 71-78

# PSYCHROMETRIC SUMMARY

APR

																		PAG			<b>LL</b> (i. s. t.
Temp.											SSION (							TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	<b>× 31</b>	D.B./W.B.	Dry Bulb	Wet Bult	Dew F
0/ 89												•0						1			T
87											.1		,0	,2			ļ	9			
6/ 85										, 2		•1	.0	.2				14			
/ 83									- 2			-1	.0					12	17		<del> </del>
2/ 81						_		, 2	, 3	٠.	•1							12			
79						<del>- •</del> 6		-3		إذ	-0		_,1				ļ	14			┼
75				•0	١,	• 1	.6	1	.0	,0	.0	• 0						24			!
/ 73				.0	.5	,3	.2		-27	- <u>6 }</u>	•0 •1	.2		.0			<del> </del>	35			+
/ 71				.1	5	. 6	. 3		.5	, 2	2		.1					63			1
/ 69			•2	.1	.6	,,			.5	,6	,3						<b></b>	99			,†
/ 67			3	. 4	3	. 5	• • •	, 8		46	.1	.0						96			
/ 65		.1	• 2	, 3	. 6	, 8		.5	1,2	.4	.0	•0						115			
/ 63			. 6	.6	.7	. 9		1.1	1.0									145	166		
/ 61		. 2		.4		, 8	1,2	1.2	. 6	.0							1	133			
/ 59		3	2		6	لمد	204	1.5	. 5									167			Ц
/ 57	•0	• 4		.5		1.5	2,4	1.0	.6									186			
/ 55	1	. 5	1.0	.9	1.0	3.0	100	-7	-0								<del> </del>	504			
/ 53 / 51	.5	1.3	1.0	. 5	1.0	1.0	1,3	,5									İ	193			
/ 49	.2			1.0	_	1.1	1,1	.3	i	ļ								143			
/ 47	. 2	. 4	. 6		1.3	1.3	•	i	.0									121		224	
/ 45	. 2	.6	. 6	, 5	1.4	1.0												113			
/ 43	. 1	Lel	4	ڏ	9	. 5	ì	L										84			
/ 41	•1	. 5	• 1	.1	1.0	,4												52			
/ 39		3	- 2	2	3	1												26		124	
/ 37	•0		• 2							1	1							25			1
/ 35	1	1		<u>-1</u>	•0						-						<del> </del>				
/ 33				.3	•1													8			
/ 31	-1	.0	-1							<del> </del>		$\vdash$		ļ	-		<del>                                     </del>	5	7 5		
/ 27	.1	.0									ł							2	5		
/ 25									<b></b>	<del> </del> -	<b> </b>			<b> </b>			<del>                                     </del>	<del> </del>		15	
/ 23																					<u></u>
ment (X)		Z X 2			Z X		X	<b>7</b> ,		No. O	5.				Mean h	lo. of H	ours wit	h Tempero	ture		
Hum.												± 0 F		32 F	≥ 67	F :	73 F	≥ 80 F	<b>»</b> 93	F	Total
Bulb																$\perp$		ļ			
Bulb Peint								ļ							<u> </u>			<u> </u>			

USAFETAC FORM O 26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### **PSYCHROMETRIC SUMMARY**

93744 MARTIN MARIETTA AIRFIELD MD
STATION NAME 71-78 YEARS PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. (F) 1 - 2 3 - 4 5 - 6 7 - 9 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Builb Wet Builb Dew Point 22/ 21 75 20/ 19 34 10/ 17 28 19 16/\_15 19 14/ 13 12/ 11 -4/ -9 TOTAL 8.3 7.8 9.416.818.115.6 9.3 6.8 2321 2927 2321 2321 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. ≥ 67 F ≥ 73 F × 80 F ≥ 93 F 2321 ≤ 32 F 122139 ≤ 0 F 7320265 52.619.618 Dry Bulb 9809646 37.010.051 2927 4.2 125.0 46.5 17.0 720 166876 Wet Bulb 111577 48.1 8.271 88892 38.311.292 15.8 12.7 5522513 2321 \_\_\_3 720 Dew Point 3700302 3 230.8

NAM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

VETAC FORM 0-

# **PSYCHROMETRIC SUMMARY**

93744 MARTIN MARIETTA AIRFIELD MD 0600-0800 HOURS (L. S. T.) PAGE 1

Tem	p.										DEPRE								TOTAL		TOTAL	
(F		0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Pain
80/	79				T					.3								1	1	1		
78/	77				İ .	. 3													$ \mathbf{i} $	Ĭ	1	
76/			1		. 3	.3	,5												4	5		
74/				. 8		.3	, 3	İ			.3								7	7	l	
72/	71		.5			1.3	, 8				-							<u> </u>	16	16		
70/	69		.8	1.3		1.8	. 8		1		1 1		)	· '	1			1	26	30	8	2
68/			- 5	1.3	2.8	1.3	,5		, 5										27	29		
66/			1.3	2.3	1.5	2.0	.3	.5	•	. 3	1 1				)	1			32	42	17	
64/	63		2.5	2.8	1.8	1.8	1.0			.3									42	48	23	
62/	61	. 3		1.5	2.3	. 5	1.0		. 3										37	45	44	22
60/		. 8		1.5	1.0	, 8	1,3	. 5											41	52		32
51/		. 8		2.0	1.3	1.3	1.0	.5	. 3										38	48	44	4.5
56/	55	, 3				1.8	15											1	31	40		
54/		1.0		2.5	1.0	1.0		.3											31			
52/		. 5	_	1.0		, 8	,3											1	18	22	30	32
50/	49	. 5		.3		1.5													21	25	33	27
48/			1.0	1.5	,3	1.5	,3												18	23	31	27
46/					3	5		1	i i		1 1							1	7	14	15	
44/						, 3													1	4	15	13
42/				. 3		•		1	) i		i i		ì :					. i	1	2	8	19
40/																					10	
38/	37																			1	2	6
36/	35																	Ţ			1	
34/	33		1														_			_		
32/			Ī																			10
30/	29			<u></u>											<u></u> .							9
28/	27			T																		3
26/	25		<u> </u>	<u>L</u>		L			L													2
OTA	L	4.3	22.5	21.5	18.3	18.5	9,5	3,3	1.0	1.0	.3									488		400
			<u> </u>	L			l	Ĺ										<u> </u>	400		400	<u></u>
																	_					
			<del> </del>	<del> </del>		<b>}</b>	<b> </b>						<del> </del>					<del> </del>				<del> </del>
																						<u> </u>
Elemen	_		ΣX,		<del></del>	ZX		X	* <u>x</u>		No. Ob	8.							h Temperat			
Rel. H				3399		291	39	72.8	16.6	56		00	• 0	F :	32 F	≥ 67		≥ 73 F	≥ 80 F	> 93	F	Total
Dry Bu		L,	175	5049		290			7.4		4	88				17	0	2.7				93
Wet Bu			123	2355		220			7.2		4	00				- 6	7					93
Dew P	eint		106	3342	1	202	64	50.7	9.5	99	4	00_		i	5.6	2.	3		1 _			93

USAFETAC JUN 71 0-26-3 (OL A) PREV"DUS EDITIONS OF THIS FORM ARE OBSOLETE

9477 54321

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93746 MARTIN MANIETTA AIRFIELD MD

## PSYCHROMETRIC SUMMARY

STATION				•	ATTOR N	AME								,	EARS					MO	NTH
																		PAG	E 1		-1100
Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION	(F)					***************************************	TOTAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 - 6	7 . 8							21 - 22	23 - 24	25 . 24	27 - 28	29 - 30	> 31	D.S./W.B.	Dry Bulb	Wet Bulb	Dew Pein
88/ 87			1			· · · ·		.2		.4		1		1		1	<u> </u>	3	2	1	
86/ 85						İ		• •		• •		l		l		1	1	9	1		
84/ 83							<del> </del>	.2	.2		<del> </del>			<u> </u>	+	<del> </del>	<del> </del>	2	3	<del> </del>	<u> </u>
82/ 81							- 4	2	••			i					1	5			
80/ 79					. 5	1.2	,5	- 5	.2		<del>                                     </del>	<del> </del>		1	<del> </del>	<del> </del>	<del> </del>	17	18	<del>                                     </del>	
78/ 77				ا د د	. 5		1.1	. 5	-4				Ì	ì		ļ	}	17	17	ł	
76/ 75			. 2	1.1	,5	1.8	1,1	1.2	.5	.2			<u> </u>	1	1		<u> </u>	37	37	<del> </del>	<del></del>
76/ 73		.4	. 2	1.4	.7	2.5	3.4	4	1.6	••	ŀ		.2				Ì	42	45	2	
72/ 71		.4	.2	,5	1.8	2.1	1,2	.7	-	.2	!	• 2		!		<del> </del>		41	48	10	<u> </u>
70: 69		9	1.8	1.6	1.1	3	- 5	9	.5	.2	.2	"-						48	56	26	2
68/ 67		.2	.5	1.8	1.6	1.4	,9	.5		.4					1			43	50		21
66/ 65	. 2	. 9	1.2	1.4	1.2	1.9		. 5	9					1				54	59		17
64/ 63	.4	1.1	.5	1.1	2.3	1.8	1.6		.7					<b> </b>	1			59	65		25
62/61		. 9	. 5	1.2	1.6	7	7	.7	<b>'</b>	•-							Ì	39	45	51	35
60/ 59	7	1.1	• 5	1.9	.5	.9	,5							<del></del>		T	1	36	42		
58/ 57		1.2	1.1	. 9	7	9		2	}									34	29		45
56/ 55	.5	1.4	.2	.4	.7	.9	,9	.4						ГТ			1	30	آو		43
54/ 53	. 4	1.4	.4		4	9	9											24	26		35
52/ 51	.4	1.1	•2		. 5													22	26		54
50/ 49	2	.9					1	<u> </u>	l			] .			1		1	9	ğ	40	34
48/ 47	. 2	.4	. 2		. 2													5	9		36
46/ 45		2				<u> </u>		<u> </u>			l	<u></u>						1	1	17	30
44/ 43																	1			12	14
42/ 41																			l	14	19
40/ 39																				3	17
38/ 37							L		<u></u>						·				<u> </u>		13
36/ 35																			-		12
34/ 33			ļ					<u> </u>			ļ		ļ		<u> </u>						19
32/ 31								1		}									İ		10
30/ 29			l			<u> </u>		<u> </u>		<u> </u>				<u> </u>	ļ				<b></b>		13
28/ 27			1																İ		10
26/ 25							ļ <u></u> .	ļ			ļ	<u> </u>		ļ	<u> </u>	Ļ			ļ	ļ	3
22/ 21							1														1
Element (X)		Žχ²			z X		X	•.		No. O	5.		·		_			n Temperat	iure	<u> </u>	
Ref. Hum.				ļ		_ _		<u> </u>		<b>-</b>		≤ 0	F	≤ 32 F	≥ 67	F :	73 F	> 80 F	≥ 93 t	F	Total
Dry Bulb									_	4					<u> </u>			ļ			
Wet Bulb								L		<u>,                                     </u>					-						
Dew Point						1_		<u> </u>							<u> </u>						

USAFETAC FORM ARE OBSOLETE JUN 71 0-26-3 (OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0.26-3 OL A. PREVIOUS EDITIONS OF 1-15 FORM ARE OBSOLFTE

USAFETAC FORM

Element (X)

Rel Hum

Dry Bulb

Wet Bulo

Dew Point

Σχ:

2439367

2744603 1911752

1550061

GLOBAL CLIMATOLUGY BRANCH USAFE1AC AIR WEATHER SERVICE/MAC

MARTIN MARTETTA AIRFIELD MO

ZX

35617

41427

32680

29075

### **PSYCHROMETRIC SUMMARY**

Mean No. of Hours with Temperature

≥ 80 F

2,3

93 93

93

≥ 73 F

41.4 18.7

10.E 4.7 MAY

																		PAG	E 2	HOURS (	-1100 L. s. T.)
Temp.			·			WET	BULB .	TEMPER	RATURE	DEPRE	SSION (	F)					T	TOTAL		TOTAL	T
(F)	10-	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Poin
TOTAL	4.0	12.1	7.6	13.4	14.6	20.6	13,4	7.7	4.2	1.8	• 2	•2	• 2					568	635	568	568
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No. Obs.

563

635

<u> 55 გ</u>

± 0 F

4 32 F

62.719.013 65.2 6.133 57.5 7.454 71-76

93744 MARTETTA AIRFIELD MD STATION NAME

## **PSYCHROMETRIC SUMMARY**

Mean No of Hours with Temperature

≥ 67 F ≥ 73 F ≥ 80 F

MONTH

Temp.			•			WET	BULB 1	TEMPE	RATURE	DEPR	SSION	(F)						TOTAL	1	TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27	28 29 - 30	≥ 31	D.B. W.B.	Dry Bulb		Dew Point
92/ 91												. 2						1	1		
90/89							i		. 5	1	. 4	1	İ					5	5		
88/ 67																			1		
86/ 85									2		2	İ	İ		į .			2	2		1
84/ 83						. 2	.4	. 4	. 2	. 2		. 2						10	11		
82/ 81						. 7	.4	. 5	. 2	7								14	15		
80/ 79				.5	. 5	1.5	.7	1.8	. 2	.5	. 2	• 2						34	34		
78/ 77				- 4	ففذ	. 5	. 7	1.6		11.3	9			Ì				40	43		
76/ 75				1.1	,9	2.4	1.6	9	1.3	.4	. 2	• 2	• 2					<b>5</b> (1	57	2	
74/ 73		.2	.4	1.6	.7	1.6	1.5	.4		. 4		. 2	. 2					45	52	7	
72/ 71			.4	.5	1.5	1.3	1.1	. 9	.2	, 5	.2	• 7						40	47	11	3
70/ 69		. 4	7_	1.6	. 7	.9	.7	1.3	.7	1.1	.2							47	57	35	5
8/ 67		.4	• >	.5	.2	1.0	1.3	1.1	.5									35	42	36	18
56/ 65		9	وو	1.1	.9	1.6	2.9	فمذ	1.1	5	!	İ			<u> </u>			62	65	41	28
64/ 63	. 4	. 4	.7	.7	1.0	1.1	1.3	. 2	. 4		i	i	1	i				37	43	62	
62/61	9	7	.7	1.6	1.1	.4	. 4		- 4	L				<u> </u>				35	39	49	
50/ 59	. 5	1.3	. 4	, 5	.4		, 5	.4										25	29	43	
58/ 57		.7	.4	. 2	.7	. 4	.5		İ	l		]						18	19	01	50
56/ 55	. 7	1.3			.2		1.3	.4										21	27	51	39
54/ 53		1.1			.4	.2	1.5		L									17	18	54	25
52/ 51		.5		.4														5	8	27	52
50/ 49		L	2												<u> </u>			4	6	24	32
48/ 47		1	٠,5															3	5	10	27
46/ 45														<u> </u>	<u> </u>					20	41
44/ 43																				11	20
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No. Obs

± 9 F

< 32 F

71-78

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE FORM 0.26-3 (OL A:

44/ 43 42/ 41

40/ 39

36/ 35 34/ 33 32/ 31 30/ 29 28/ 27

26/ 25

Element (X)

Rel Hum

Dry Bulb Wet Bulb Dew Point ΣX1

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X

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12

### PSYCHROMETRIC SUMMARY

93

93

MARTIN MARIETTA AIRFIELD MD MAY 71-78 MONTH 1200-1400 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL TOTAL 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 +31 D.B./W.B. Dry Bulb Wer Bulb Dew Point 24/ 23 TOTAL 7.8 5.811.111.114.516.711.5 8.0 5.6 2.5 1.8 550 550 350 Element (X) ZX, Zχ No. Obs. Mean No. of Hours with Temperature Rel. Hum. 1990886 31276 56.919.668 **5**5) 10F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 68.5 8.426 58.9 7.259 Dry Bulb 2979398 42864 626 54.5 72.8 7,3 93

55v

530

15.4

4.4

1.5

OBSOLETE FORM 1HIS ö EDITIONS 4 ğ 0-26-3

Wet Bulb

1939936

1509982

32420

28218

51.310.648

#### **PSYCHROMETRIC SUMMARY**

93744 MARTIN MARIETTA AIRFIELD MD 71-78

STATION STATION NAME

PAGE 1 1500-1700

HOURS (L. S. T.)

WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL (F) 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 = 31 D.8./W.B. Dry Buib Wet Buib Dew Point 92/ 91 • 5 90/ 89 86/ 87 86/ 85 12 84/ 83 82/ 81 . 7 80/ 79 1.0 23 26 . 2 78/ 77 36 76/ 75 37 . 5 26 74/ 73 33 39 2.2 1.7 72/ 71 1.7 . 2 36 56 12 35 48 70/ 69 .5 34 68/ 67 26 25 66/ 65 36 31 64/ 63 1.0 21 22 47 16 29 62/ 61 26 60/ 59 3.2 27 35 34 . 2 52 58/ 57 40 56/ 55 .2 1.0 16 22 43 34 • 7 56/ 53 52/ 51 25 25 50/ 49 9 28 48/ 47 9 22 46/ 45 44/ 43 20 42/ 41 40/ 39 38/ 37 36/ 35 8 34/ 33 32/ 31 8 30/ 29 28/ 27 No. Obs. Rel. Hum. ≤ 0 F ≤ 32 F ≥ 73 F ≥ 80 F \* 93 F Dry Bulb Wet Bulb Dew Point

AC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM AR . OBSOLET

ISAFETAC FORM

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## **PSYCHROMETRIC SUMMARY**

93744 STATION	MA	RTIN	MAR	TETT	AAI	RFIE	LD M	D		71-	78									М	AY
STATION				5	TATION	IAME						-		YE	ARS				·		
																		PAG	2	1500	-1700
																			************		
Temp. (F)						WET	BULB	TEMPE	RATURE	DEPR	ESSION	(F)		1				TOTAL		TOTAL	
	0 7	1 - 2	3 - 4	5 - 6	7 - 8	9 . 10	111 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	29 - 30	<b>≥ 31</b>	D.B./W.B.			
TOTAL	201	0.7	3.2	2.2	11.4	13,4	12.4	13.1	10.9	5.6	2.7	3.0	• /					402	538	402	402
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<b>21</b>		<b>T</b> ?					<u> </u>				<u>L</u> ,							L			
Element (X) Rel. Hum.		Σχ <sup>2</sup>	0045		2 X		X	7, 9		No. O				- 22 5				h Temperat			
Dry Bulb			9840 1215		272	96	55.0 69.5	KO - 0	0.2		02	≤ 0 F	-	≤ 32 F	≥ 67 F		73 F	≥ 80 F	≥ 93	<u> </u>	Total
Wet Bulb			0488		213	40	50 1	6.7	192		72				13.	<del>!! - '</del>	1.4	13.0	<del>'  -</del>		93 93
Dew Point			5162		204	7	59.1	000	70		0.5				130	<del></del>	194	<del> </del>	-{		93

FORM 0 - 26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM AFE OBSOLETE

USAFETAC FORM

#### **PSYCHROMETRIC SUMMARY**

93744 MARTIN MARIETTA AIRFIELD MI)
STATION NAME 1800-2000 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 6 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 28 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb 90/89 84/ 83 82/81 • 3 • 3 10 80/ 79 78/ 77 23 76/ 75 74/ 73 24 37 72/ 71 30 70/ 69 3) 44 .3 1.4 1.0 1.0 . 3 68/ 67 66/ 65 1.4 1.0 16 .3 1.4 22 15 62/ 61 1.0 17 40 60/ 59 58/ 57 31 16 1.4 13 29 • 7 56/ 55 33 26 1.0 10 15 18 54/ 53 1.7 1.0 26 50/ 49 5 9 27 48/ 47 46/ 45 • 3 44/ 43 11 42/ 41 40/ 39 38/ 37 5 34/ 33 32/ 31 30/ 29 28/ 27 2.410.5 7.711.516.819.211.9 9.1 5.2 3.8 1.0 286 TOTAL 286 286 No. Obs. ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. 1158850 17408 60.918.664 286 ≤ 32 F 51.2 Dry Bulb 66.9 8.399 25.5 93 2055752 30246 452 979145 58.1 0.669 Wet Bulb 16617 93 286 11.1 93 782341

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-3 (OL A)

## PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MD 71-75,77-76
STATION STATION NAME

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp.			*******			WET	BULR	TEMPER	ATURE	DEPRE	SSION	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 . 24	25 - 26	27 - 28	29 . 30	× 31	D.S./W.B.	Dry Bulb		Dew Pain
80/ 79	<u> </u>	<u> </u>	-	-	1.1	17.10	1111	10-11	13 - 10	17. 10	1,7,1,00		-	1				1	1		
78/ 77		ĺ		l i	•••	1	ľ						ł	1 1			l	•	ī		}
76/ 75			<del>                                     </del>			<del></del>	<del> </del>	-		<del></del>			<b>†</b>						4		
74/ 73			İ	1.1		1	1.1			Í			l	( )			1	2	10		ĺ
72/ 71		<del> </del>	1.1		3.2	2.2				<del>                                     </del>			<del> </del>				<del> </del> -	7	17	1	
70/ 69		1.1	-	i i	3.2		1.1	}		1			ł	1			ł	7	17	•	
68/ 67		1.1			1.1	<del></del>		<b></b>		<del> </del>			<b>├</b> ──				<del> </del>	6	17		2
66/ 65			1.1	3.2	2.2	2.2				1					1		[	10	25	ĺ	2 3 3 5 5
64/ 63		3.2		2.2	2.2	6.5	1.1	1.1		1				1				17	33	10	3
62/61		2.2	1.1							ĺ			1					6	16	9	5
60/ 59	1,1		2.2	3.2			1,1	2.2					<u> </u>					13	21	11	5
58/ 57	- • •	2.2			4.3					1			Ì					9	17	7	11
56/ 55		2.2																2	11	12	8
54/ 53			1.1	Li						Ĺ				i			L	4	6	9	5
52/ 51		2.2			1.1	ĺ				T								3	4	11	6
50/ 49		1.1								<u> </u>								1	4	7	12
48/ 47	1.1	_	1.1	1.1	1.1													4	8	2	12
46/ 45			<u> </u>							L							<u> </u>		2	4	7
44/ 43		1.1											i					1	1		3
42/ 41						ļ											L			3	3
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35/ 35			1				!			)					]		i				2
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DTAL	202	21.2	14.0	16.1	25.8	11.8	5,4	306		<del> </del>			<del> </del>	-					215		93
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Element (X)		Σχ'	<u> </u>		z x	<u></u>	X	<b>₹</b> 2		No. Ob		<u> </u>	<u></u>		Mana N	lo at 4	w!4	Temperat			
Rel. Hum.			3577			4.5	69.5					± 0	6	≤ 32 F	##Bn P		73 F	≥ 80 F	* 93 I		Total
Dry Bulb			3588		135	40	63.0	70.0	21		9 <u>4</u>			- 34 1	20		6.4	- 80 F	+ - 73		93
Wet Bulb			R735		<u> </u>	37	56.3	6 4	2 <u>4 </u> 52		93				7.		9.7	<del> </del>			93
Dew Paint			2341	<del> </del>	47		<del>20.2</del> 51.4				93			2.0		· ()		<del></del>	+	<del></del> -	<del>72</del> 93
			2271	<u> </u>		<u> </u>	~ • • •		761		23			600		VI.					

#### **PSYCHROMETRIC SUMMARY**

93744 MARTIN MARIETTA AIRFIELD MD PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 15 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ± 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point 92/ 91 .0 .1 90/ 69 88/ 87 . U .1 3 5 86/ 85 . 2 84/ 83 19 29 82/ 81 47 •2 67 80/ 79 92 103 . 5 • 6 • 1 78/ 77 101 132 76/ 75 132 167 • 1 74/ 73 153 190 . 2 .6 72/ 71 . 5 1.8 . 5 170 . 3 . 3 221 38 70/ 69 194 . 6 252 90 68/ 67 . 3 • 7 1.2 1.0 1.1 . 5 162 216 127 64 66/ 65 84 267 150 64/ 63 1.3 1.2 1.1 208 218 90 1.3 1.6 1.7 256 159 196 136 226 . 81 • 7 60/ 59 1.9 159 207 218 184 58/ 57 . 4 156 216 124 232 56/ 55 خ و 1.3 . 5 . 3 , 5 . 4 . 8 106 146 230 180 54/ 53 144 94 108 212 • 9 52/ 51 • 2 • 2 .5 55 188 • 3 154 50/ 49 43 164 .6 62 122 48/ 47 50 • 3 33 61 142 46/ 45 23 150 76 44/ 43 . 0 78 • 0 2 53 95 35 77 40/ 39 13 38/ 37 43 36/ 35 34/ 33 44 32/ 31 30/ 29 41 56 28/ 27 31 26/ 25 Element (X) No. Obs. Mean No. of Hours with Temperature ≤ 32 F Dry Bulb Wet Bulb

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### **PSYCHROMETRIC SUMMARY**

MAY

93744 MARTIN MARJETTA AIRFIELD MD 71-78 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Builb Wet Builb Dew Point WET BULB TEMPERATURE DEPRESSION (F) Temp. (F) 24/ 23 22/ 21 TOTAL 2299 2954 3.512.5 9.412.114.615.411.7 8.5 5.7 3.8 1.3 1.1 .3 2299 2299 Element (X) No Obs. Mean No. of Hours with Temperature Rel. Hum. ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F ±0F 9684919 61,819,922 2299 ≤ 32 F 142017 40.0 Dry Bulb 13039605 194511 65,8 8,858 2954 353.1 179.6 744 6.1 88.7 Wet Bulb 7781413 132705 57.7 7.265 2299 744 Dew Point 6247249 51.110.098 47.6 744 117535 2299 29.1

OBSOLETE ARE THIS FORM ö **EDITIONS** PREVIOUS 4 ಠ ó

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FORM JUN 21

## **PSYCHROMETRIC SUMMARY**

3744 STATION	MAI	RTIN	MAK	IETT 51	ATION N	RF I E	LD M	7)		71-	7 d		<del></del>	YEARS	<del></del>			<del></del>	J	UN
																	PAGE	1	U600 HOURS	-080(
Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION (	F)		***************************************			TOTAL		TOTAL	·
(F)	0	1 - 2	3 - 4	5 - 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 23	3 - 24 25	- 26 27	- 28 29	· 30 · 31	D.B. W.B.	ry Bulb	Wet Bulb	Dew Por
84/ 83 82/ 81			2			•2	.2										1 4	1 5		
80/ 79				.5	1.0	1.7	. 2										14	15		
78/ 77 76/ 75		.5	2.5	3.7	3.0	1.0		.2		+						_	35	26 40	1	
74/ 73 72/ 71	1.0	1.7 2.7	2.2	2.2	1.7	.7	.5	.7		+						-	53 48	<u> 60</u> 57	14	1
70/ 69	1.5	4.0	3.0	1.0 2.5	1.0	. 7	. 7	<u> </u>							-		48	<u>56</u> 50	63	5
66/ 65	. 2	1.7 4.5	2.7	1.2	1.2	7				1					-		44	55	41	4
64/ 63 62/ 61	• 2	1.7	2.2	.7	1.5												23	26 		3.
60/ 59 58/ 57		1.5	1.5	1.5	.7	•5	.2										20	28 14	36 31	3
56/ 55 54/ 53		2	. 5	.7	• 2	,											6	7 5		
52/ 51	• 2				• 2	• 2				1							3	4	12	2
50/ 49 48/ 47				•2				<b> </b> -									1	1		1
46/ 45						<b></b> -						-		-+		_	-		3	<del> </del>
42/ 41				-				<del> </del> -	ļ	<del>  </del>							+		1	
38/ 37 36/ 35						<u> </u>											-			
34/ 33																			<u> </u>	-
32/ 31 UTAL	3,7	20.1	23,6	21.1	16.7	10.4	2.7	1.5										476		40
						-		-				-					402		402	
							-						+	-						
Element (X)		Σχ'n			ZX		X	· · · ·		No. Ob	4.				lean No.	of Hours w	ith Temperate	110		
Rel. Hum.			1790		305	_		13.7			12	± 0 F	≤ 32	2 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb		226	9742		327	24	68.7	6.3	31	4	75				50.6	27.	2 و 5			9
Wet Bulb		166	3621	<u></u>	257	29	64.0			4	22				38.7	3.6	5			9
Dew Point		150	901		244	19	50.7	del	45	4	)2		1 -	. 4	25.3	1.	1	1		

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC

### **PSYCHROMETRIC SUMMARY**

93744 MARTIN MARTETTA AIRFIELD MO 71\*78 PAGE 1 0900=1100 HOURS (L. S. T.) Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 | 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 (F) D.B./W.B. Dry Bulb Wet Bulb Dew Point 90/ 89 . 2 . 2 . 2 88/ 87 , 3 . 9 86/ 85 • 3 1.5 18 •9 84/ 63 1.6 , 7 30 33 3.3 1.2 82/ 81 .7 1.2 1.0 . 2 • 5 . 2 48 51 80/ 79 2.1 3.3 2.2 65 . 9 78/ 77 , 9 1.0 3.1 3.1 1.6 • 3 69 74 3 1 67 76/ 75 1.7 78 74/ 73 1.2 1.0 1.2 47 53 12 65 72/ 71 63 65 82 .3 70/ 69 1.6 1.6 1.2 1.0 48 59 49 • 5 69 68/ 67 .0 75 59 66/ 65 1.4 . 2 1.4 • 7 1.0 • 3 • 3 34 35 52 73 . 64/ 63 .7 26 29 35 . 3 . 2 62/ 61 1.0 13 54 . 3 . 2 • 2 13 58 60/ 59 43 30 58/ 57 . 5 5 5 3¢ 36 56/ 55 32 54/ 53 . 3 20 14 36 50/ 49 14 48/ 47 14 46/ 45 15 5 44/ 43 42/ 41 6 40/ 39 38/ 37 36/ 35 34/ 33 ļ 32/ 31 30/ 29 1 TOTAL 2.1 9.510.615.716.315.211.410.2 5.4 578 624 578 Element (X) ZX ΣX, No. Obs. Mean No. of Hours with Temperature Rel. Hum 37012 65.416.753 2635560 57c ≤ 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F Dry Bulb 46407 56.3 3480191 74.4 6.810 624 76.2 21.3 90 Wet Bulb 66.1 0.371 90 2549511 38211 570 46.9 14.2 Dew Point 2202067 15331 51.1 0.674 570 90

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS F

#### **PSYCHROMETRIC SUMMARY**

93744 MARTIN MARIETTA AIRFIELD MD 11-78 PAGE 1 1200-1400 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 \* 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 94/ 93 92/ 91 . 5 . 2 90/ 89 .4 . 2 1.1 . 5 20 20 .4 88/ 87 26 86/ 85 1.2 1.1 . 4 37 42 84/ 83 58 52 82/ 61 4.3 2.3 75 83 2 1.4 1.8 80/ 79 76 34 78/ 77 3 53 60 11 76/ 75 50 59 30 1.9 1.1 74/ 73 . 4 .4 1.1 1.1 43 45 19 34 72/ 71 29 32 60 46 43 70/ 69 .5 29 . 2 85 • 7 61 68/ 67 25 25 61 56 . 5 66/ 65 • 7 • 2 22 23 1,1 .2 64/ 63 43 62/ 61 40 5.5 60/ 59 26 6 36 58/ 57 39 .4 6 6 27 25 56/ 55 40 54/ 53 10 31 52/ 51 23 50/ 49 48/ 47 46/ 45 12 44/ 43 42/ 41 10 40/ 39 38/ 37 5 36/ 35 34/ 33 4 5.31.015.114.210.913.511.4 5.9 5.2 DTAL 618 562 562 502 Element (X) ZX' No. Obs. Mean No. of Hours with Temperature Rel. Hum. ≥ 67 F = 73 F = 80 F = 93 F 58.016.900 \* 0 F ≤ 32 F 2047540 32568 552 Dry Bulb 47933 77.6 6.962 82.6 70.0 40.0 90 374. 432 014 90 Wet Bulb 56.0 0.469 253:043 37555 55/ 49.5 21.1 <u>. 6</u>. Dew Point 33381 2102425 60.5 y . 229 562 90 4.5

OBSOLETE ö ā ಠ

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93744 MARTIN MARTETTA AIRFIELD MD /1-76

# **PSYCHROMETRIC SUMMARY**

JUN

STATION				3	TATION N	AME								YE	ARS					МО	NTH
																		PAGE	1		-1700
Temp.				******************		WET	BULB '	TEMPER	ATURE	DEPRI	SSION	(F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb		Dew Poin
94/ 93				† — —	ļ				.3		1			1			1	1	1		<b></b>
92/ 91				i	ذ و		ĺ	1	. 5			.3		1	i i		l	5	Š	i	ł
90/ 89				.3		• 3	,3	.3	.3		.5							14	15		~
88/ 87					. 5		8		.8	.5	2.3							21	32		
86/ 85				.3	. 8	2.9	, 8	1.3	1.6		.3							37	43		
84/ 83				, 3			2.9	. 8	. 6		٤.	. 5	<u>.                                    </u>	i				96	54	3	
82/ 61					2.6	3.6	2,9	2.1	.3	.8	1.3			• 3				56	64	1	3
80/ 79			5	1.8	2.1	4.7	. 8	2.3	1.6	1.8	1.3							65	88	5	1
78/ 77		. 5	.5	1.3	1.6		.5											33	53	6	2
76/ 75		, 3	.5				,5	1.0	. 8			<u>[</u>					<u> </u>	24	33	28	4
74/ 73		. 8		1.0				.5		. 3								16	30	49	8
72/ 71	. 3	, 5	<u>• t</u>		<u>3</u>		2.1	1.0			<del>,</del>						<u> </u>	26	35	52	31
70/ 69		. 3	• 5					.8	.5	.8								22	25	52	36
68/ 67				. 3			3				ļ						ļ	4	8	45	36
66/ 65	. 3			. 8		• 3		6.									İ	12	13	20	50
64/ 63		5	ļ <u>.</u>			. 5			ļ			<u> </u>						4	7	36	25
62/ 61			8 •	1	}			}			ļ	] .		]			)	3	5	35	22
60/ 59			<del></del>	ļ	<b> </b>	ļ		<b> </b> -			<del> </del>									17	28
58/ 57		.3	• 5									l						3	3	15	22
56/ 55				<del> </del>	<del> </del>		<b></b>	<del> </del>	<del> </del>	<del> </del> -	<del> </del>		<b> </b>	ļ			ļ	<del> </del>		10	20
54/ 53				[							<b>!</b>									6	24
52/ 51									<del></del>	<del> </del>								ł		5	24 5
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48/ 47					<del> </del>					├	<del> </del>	<del></del>		<del>                                     </del>			ļ <u> </u>	1			14
44/ 43							ł	ì			l			i i			1	. }			16
40/ 39				<del></del>	<del> </del>					<del> </del>	<del> </del>						<del> </del>	<del>                                     </del>			3
38/ 37																	ļ				- 4
36/ 35					<del> </del>	<del> </del>			<del></del>	<del> </del>			<del> </del>					<del>                                     </del>			2 4
34/ 33					ĺ			Į													2
TOTAL	.5	3.9	4.2	8.3	12.7	17.9	12.7	12.5	9.4	7.8	6.5	3.4		• 3			<del> </del>		516		385
										, • •	013	,,,,						385		365	
								ļ	}		l										
Elerient (X)		Σχ'			Z X		<u> </u>	· v		No. O	s.	<u> </u>			Mean N	o. of H	ours wit	h Temperat	ure		L
Rel. Hum.		132	4700		216		56.3	16.3	57	3	85	⊴ 0 !	F :	≤ 32 F	≥ 67	F a	73 F	≥ 80 F	× 93	F	Total
Dry B lb			0559		405		78.6	2.6	57		16				84.	٥	72.9	44.3	3	2	90
Wet Bulb			5515		260	33	67.6	6.2	94	3	85				56		21.5				90
Dew Point		146	4931		234	۶۶	61.0	9.1	78	3	35				20.	٤	402		7		90

FORM 0-26-3 (O', A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

USAFETAC

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#### PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MO 71-78 1800-2000 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B.W.B. Dry Bulb Wei Bulb Dew Point (F) 92/ 91 90/ 89 88/ 87 •7 .3 86/ 85 19 23 84/ 83 2.1 .7 44 .7 80/ 79 5.5 2.4 1.0 1.0 1.0 42 56 3 1.7 40 76/ 75 2.8 4.5 1.4 36 55 1.0 5 74/ 73 2.8 34 56 32 72/ 71 1.4 1.7 . 3 19 • 7 35 8 22 70/ 69 40 . 7 68/ 67 . 3 1.0 14 33 43 19 66/ 65 29 .7 . 3 . 3 64/ 63 . 3 5 10 21 24 62/ 61 29 16 . 3 60/ 59 8 29 18 58/ 57 8 18 56/ 55 18 54/ 53 17 52/ 51 11 50/ 49 8 48/ 47 46/ 45 44/ 43 2 40/ 39 1.0 7.240.346.645.943.443.4 8.3 290 290 290 No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hym. ≤ 0 F ≤ 32 F ≥ 67 F > 73 F > 80 F ≥ 93 F 1261507 18497 63.816.826 29 u Tetal 90 Dry Bulb 79.7 2476371 32705 75.2 6.347 65.0 24.4 435 Wet Bulb 1308518 19404 66.9 5.938 290 51.5 15.2 1.6 90. Dew Point 17875 61.6 B.382

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OBSOLFTE ö EDITIONS PREVIOUS ಠ 0-26-3

## **PSYCHROMETRIC SUMMARY**

STATION	MAR	CLTIA	MAK		TATION H		LU M	[1		Δ.	78			YEARS					<u>J</u>	ON TH
																	PAG	E 1	2100 HOURS	-2300
Temp.						WET	BULB '	TEMPE	ATURE	DEPRI	SSION	( <b>f</b> )		•			TOTAL		TOTAL	******************
(P)	0	1 - 2	3 - 4	5 - 6	7 - 8							21 - 22 2	23 - 24 25	- 26 27 -	28 29	30 = 31		Dry Bulb		Dew Pois
90/ 89							T				1							1		1
84/ 83			2.2				Ì							İ			2	2		
82/ 81			1.1			2.2											3	4		
80/ 79			3.2	2.2		2.2											7	10	2	
78/ 77		2.2		2.2	2.2	2.2				1.1							9	22	2	2 5
76/ 75			3.2	3.2			<u>.</u>								.		10	21	4	5
74/ 73		2.2	2.2	2.2		1.1	1.1										A	23	3	1
72/ 71		3.2	6.5	L	4.3	3.2		3.2		1.1							20	42		4
70/ 69		2.2		1.1	3.2	1.1			1.1								9	31		7
68/ 67		4.3	1.1	2.2		2.2						<u> </u>					11	20	13	12
66/ 65		2.2		1.1													3	9	7	14
64/ 63	1	1.1	2.2			ļ	<u> </u>			L	<u> </u>	<u> </u>					4	9		9
62/ 61	Ī	1.1		1.1							ĺ						2	5	12	4
60/ 59	1.1	2.2		2.2			<b>↓</b> _	ļ		ļ	<u> </u>						5	7		8
58/ 57	Ì												- [					5	6	8
56/ 55				<u> </u>	<u> </u>		ļ	ļ				<del>                                     </del>								12
54/ 53												1 1							4	2
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DTAL	1.14	20.4	74.0	10.3	10.1	14.0	1.1	3.4	1 . 1	7.6					İ		0.0	213	1	93
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								<u> </u>			1					1			1	
							<u> </u>									<u> </u>			<u> </u>	
Element (X)	2	X,			2 <sub>X</sub>		X	•,		No. O	bs.			Med	n No.	L Puyes W	ith Tempera	ture		
Rel. Hum.			1052		68	86	74.0	15.1	77		93	2 0 F	≤ 37		67 F	≥ 73 F	≥ 80 F	× 93	F _	Total
Dry Bulb			3960		151		71.1				13				4.4	35.				90
Wet Bulb			9542				66.1				93				8.4	10.	1.	U		90
Dew Point		36	964	<u> </u>	56	18	52.6	0.0	72		93			3	0.0	7.	7			90

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

93744 MARTIN MARIETTA AIRFIELD MO 71-78

#### PSYCHROMETRIC SUMMARY

PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Feint (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 94/ 93 .0 .0 92/ 91 90/ 89 • 1 . 1 39 41 •4 58 72 .6 86/ 85 . 3 97 .6 116 84/ 83 143 171 •6 82/ 61 2.5 1.2 217 . 6 2.1 1.3 .3 .5 • 0 251 269 80/ 79 322 78/ 77 11 2.0 556 296 222 76/ 75 286 87 74/ 73 1.0 1.0 1.9 1.1 .0 201 267 247 48 72/ 71 205 147 266 296 . 8 . 7 . 6 70/ 69 1.2 1.1 . 5 • 1 170 212 299 236 270 109 66/ 65 1.7 , 9 •1 132 154 238 216 73 92 188 64/ 63 179 62/ 61 169 • 7 . 6 . 2 • 1; • 1 • 0 48 61 224 60/ 59 149 40 58/ 57 . 3 151 28 38 123 56/ 55 123 54/ 53 54 121 52/ 51 28 50/ 49 77 77 46/ 45 54 44/ 43 22 42/ 41 24 40/ 39 38/ 37 15 36/ 35 34/ 33 8 32/ 31 30/ 29 Element (X) No. Obs. Mean No. of Hours with Temperature : 0 F ± 32 ₽ ≥ 67 F = 73 F ≥ 80 F = 93 F Dry Bulb Wet Bulb Dew Point

C FORM O. 26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE ORSOLETE

JSAFETAC FORM O.

# **PSYCHROMETRIC SUMMARY**

93744 STATION	MA	RTIN	MAH	TETT	AAI	RFIE	LD M	ŋ		71-	78	····			ARS					<u>J</u>	UN
STATION				•	TATION A	IAME								12	.453			PAG			LL (L. S. Y.)
Temp.						WET	BULB '	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL	<del> </del>	TOTAL	
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	13 - 24	25 - 26	27 - 28	29 - 30	e 31	D.B./W.B.			Dew Paint
TOTAL	1.7	9.2	11.0	14.5	15.5	14.4	9.8	9.4	0.4	4.0	2.8	1.0	•3	•0		·		2310	2882	2310	2310
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Element (X)		Σ×,	<u> </u>		ZX	<del></del>	X	₹ A	<del></del>	No. Ob	<b>.</b>		1		Mean No	of H	Lura with	Tempera	1.116	<u> </u>	<u> </u>
Rel. Hum.			2257					17.5	91	23		± 0 F	1	32 F				• 60 F		F	Yotal
Dry Bulb		1626	P255		2154	75	74.8	7.4	08	28	82							204.		5	720
Wet Bulb		1023	9750		1530	78	66.3	6.4	36	2,3	1 v				386.	5 1	21.4	5.	9		720
Dew Point			2373		1409	13	61.0	8.74	43	23	ĵυ [			1.6	232	2	28.7	2.	5		720

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

93744 MARTIN MARIETTA AIRFIELD MD

#### **PSYCHROMETRIC SUMMARY**

PAGE 1 0600=0800 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | > 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 86/ 85 1.0 , 3 6 84/ 83 82/ 81 .8 .3 1.8 1.5 . 3 11 14 . 3 80/ 79 78/ 77 2.8 4.4 2.8 . 3 3 50 60 76/ 75 4.4 61 73 74/ 73 3.6 4.6 2.3 1.8 1.0 ,5 54 64 38 23 72/ 71 49 43 46 70/ 69 3.1 3.9 2.3 2.0 59 68 64 68/ 67 66/ 65 38 1.3 20 21 43 64/ 63 14 28 46 62/ 61 28 • 8 ₿ 16 27 60( 59 19 58/ 57 15 16 36/ 55 54/ 53 20 52/ 51 50/ 49 48/ 47 46/ 45 <u>819.354.750.919.810.1</u> 487 388 388 388 Element (X) No. Obs. Mean No. of Hours with Temperature ≥ 67 F = 73 F > 80 F = 93 F 10F Rel. Hum. 2306780 29536 76.112.283 388 s 32 F Dry Bulb 49.1 72.6 5.538 2570120 15330 80.8 93 487 67.9 5.298 64.9 6.639 Wet Builb 1799726 26.338 388 59.2 17.5 Daw Peint 1653627 25199 9.3 93 38H 44.3

DRM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ETAC FORM 0-24

93744 MARTIN MARTETTA AIRFIELD MO

### **PSYCHROMETRIC SUMMARY**

0900-1100 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 94/ 93 92/ 91 90/ 89 21 27 23 1.1 .2 29 88/ 97 86/ 85 35 40 2.2 84/ 83 53 64 82/ 81 .4 2.3 4.1 1.3 . 2 . 2 84 92 2 79 80/ 79 86 76/ 77 2.3 53 57 27 76/ 75 74/ 73 1.1 1.4 57 62 80 38 72/ 71 36 39 65 68 70/ 69 . 5 25 65 23 98 68/ 67 10 58 66/ 65 42 60 68 64/ 63 33 62/ 61 35 37 60/ 59 19 29 58/ 57 21 25 54/ 53 52/ 51 20 50/ 49 5 48/ 47 46/ 45 3 40/ 39 38/ 37 6.8h6.7h5.5h6.9h7.6h1.9 TOTAL 627 556 556 No. Obs. EX1 Element (X) Mean No. of Hours with Temperature 35557 64.014.230 556 10F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 2386303 78.7 6.102 Dry Bulb 3906137 49341 90.5 79.5 44.6 93 627 93 Wet Bulb 2725509 38811 69.8 5.427 32.1 556 69.1 Dew Peint 2379836 36148 93

FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

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#### PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MD PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) D.B./W.B. Dry Bulb 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | > 31 98/ 97 96/ 95 16 94/ 93 .6 1.3 17 • 2 92/ 91 16 90/ 89 1,5 33 28 88/ 87 35 39 86/ 85 .6 2.4 3.3 , 9 1.3 72 83 84/ 83 69 1.9 1.5 82/ 81 3.7 3.0 98 106 2.2 80/ 79 .9 78/ 77 48 2.6 1.5 ,6 43 48 4 76/ 75 39 43 82 74/ 73 31 1.3 31 43 .4 66 62 72/ 71 16 63 70/ 69 71 50 68/ 67 56 63 66/ 65 . 5 3 42 46 69/ 63 57 62/ 61 20 43 60/ 59 58/ 57 30 56/ 29 54/ 53 17 52/ 51 50/ 49 6 48/ 47 46/ 45 5 44/ 43 .2 1.5 3.3 1.3 13.9 4.7 13.2 14.3 4.5 9.1 3.3 TUTAL 616 539 539 539 Element (X) Z X Mean No. of Hours with Temperature 1880875 30955 57.4 3.844 ≥ 73 F 530 Dry Bulb 81.8 6.154 87.0 63.6 4144477 50385 616 90.7 70.7 5.461 64.8 7.651 Wet Bulb 2712592 72.5 38.5 93 38124 539 2.6 Dew Point 2296950 34944 43.7 14.7 93

71-76

OBSOLETE ö EDITIONS 7 ಠ .26-3 ( ó

FORM JUN 71

MARTIN MARIETTA AIRFIELD MO

#### PSYCHROMETRIC SUMMARY

PAGE 1 1500-1700 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) D.B./W.S. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 98/ 97 96/ 95 18 94/ 93 ,5 , 3 . 5 1.5 1.0 , 8 9 19 92/ 91 .3 . 8 .8 1.0 1.5 1.0 .5 .3 1,3 90/ 89 1.0 1.5 24 38 29 42 68/ 87 1.5 1.3 86/ 65 1.5 3.4 2.6 1.8 50 64 1.3 1.8 , 5 84/ 83 3.6 1.0 2.8 66 1.5 69 87 82/ 81 3.1 2.1 1.8 4.4 2 3.1 1.0 80/ 79 59 3.4 46 . 8 32 78/ 77 . 3 40 1.0 1.5 1.3 1.3 . 5 1.3 33 4 76/ 75 .0 29 40 16 74/ 73 . 3 1.0 1.5 1.0 1 R 22 42 26 53 72/ 71 45 35 70/ 69 72 68/ 67 40 28 8 34 66/ 65 36 19 50 64/ 63 32 62/ 61 60/ 59 26 58/ 57 31 56/ 55 54/ 53 11 52/ 51 9 50/ 49 1 48/ 47 46/ 45 44/ 43 42/ 41 TOTAL 525 388 368 366 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. ≥ 67 F × 73 F > 80 F ± 0 F ≤ 32 F ≥ 93 F 1306021 21853 56.314.015 300 82.4 6.217 70.7 ...241 64.6 7.471 Dry Bulb 3581415 +3239 525 90.5 89.3 65,5 93 Wet Bulb 73.3 35.7 1950807 274371 388 93 Dew Paint 25079 398 39.8 1642621

71-78

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

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93744 MARTIN MAKIETTA AIRFIELD MD 71=78

#### **PSYCHROMETRIC SUMMARY**

PAGE 1 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dew Peint 94/ 93 3 92/ 91 90/ 89 .7 . 4 .7 6 19 .7 20 88/ 87 1.9 1.5 86/ 85 1.1 17 1.1 84/ 83 36 82/ 81 2.2 3.0 4.1 32 49 80/ 79 45 2.6 1.5 78/ 77 1.9 1.9 3.7 2.2 3 9 40 61 76/ 75 . 7 74/ 73 .7 1.1 2.2 1.1 3.0 25 35 40 72/ 71 19 13 37 70/ 69 10 . 4 45 68/ 67 31 66/ 45 3 31 64/ 63 62/ 61 10 19 2 60/ 59 14 58/ 57 15 56/ 55 13 54/ 53 6 52/ 51 50/ 49 3 48/ 47 46/ 45 44/ 43 42/ 41 1 TOTAL 437 270 270 270 ZXI Element (X) No. Obs. Mean No. of Mairs with Temperature X • 1109999 52.414.786 270 5 0 F s 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 16847 Tetal Dry Bulb 2760920 34640 79.3 5.882 437 90.4 84.1 43.0 93 Wet Bulb 1320133 18333 69.8 4.914 27J 69.9 27.2 1.4 Dew Point 17451 64.6 6.987 1141047 9.0 41.0

3 (OL A) PREVIOUS EDITIONS OF 1HIS FOFM ARE OBSOLETE

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FORM 0-26-3 (OL A) PRE'

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### PSYCHROMETRIC SUMMARY

MARTIN MARIETTA AIRFIELD MO 71-78 2100-2300 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 D.B./W.S. Dry Bulb Wet Bulb Dew Peint (F) 1-2 3-4 5-6 90/ 89 1.1 1 2 88/ 87 86/ 85 2.3 2 3 84/ 83 82/ 81 1.1 2.3 1.1 1.1 5 9 80/ 79 3.4 5.7 4.5 2.3 3.410.2 1.1 78/ 77 32 2.3 4.5 1.1 5.7 1.1 4.5 4.5 2.3 2.3 29 73 2.3 1.1 2.3 34 74/ 15 16 3 10 21 72/ 71 4.5 6 30 70/ 69 1.1 2.3 2.3 2.3 1.1 8 16 13 68/ 67 66/ 65 1.1 1.1 12 64/ 63 10 4 62/ 61 60/ 59 58/ 57 8 56/ 55 54/ 53 40/ 39 88 TOTAL 14.812.571.626.113.6 9.1 217 88 No. Obs. Element (X) Mean No. of Hours with Temperature 470724 5334 Rel. Hum. 72,013,052 88 ≤ 0 F ≥ 67 F = 73 F ≥ 80 F ≥ 93 F Dry Bulb 17.1 1237677 16349 75.3 5,238 87.9 55.6 93 217 419713 6055 20.1 93 48.8 4.899 65.5 34 Dew Point 377584 93 5736 65.2 6.522

ŏ PREVIOUS EDITIONS ₹ ಠ 0-26-3 GLOBAL CLIMATOLOGY BRANCH

AIR WEATHER SERVICE/MAC

USAFETAC

93744 MARTIN MARIETTA AIRFIELD MD 71-78

# **PSYCHROMETRIC SUMMARY**

STATION			<del></del>	\$7	TATION N	AME								YE	ARS					МО	NTH
																	F	AGE	: 1	- OURS	L L (L. S, T.
Temp.						WET	BULB .	TEMPER	ATURE	DEPRE	SSION (	F)				.,		TAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30 =	31 D.B.	/W.B.	Dry Bulb	We: Bulb	Dew P
8/ 97									.0									1	3		
6/ 95			<u> </u>		İ		.1	.1	.1	2	٥		.0	I				14	17	l	
4/ 93						• 2	,1	. 1	.4	.5								37	42		
2/ 91			<u> </u>	<u></u>	2هــا	.2	-1	3	3	. 3	.3	.0						35	48		
0/ 89				.0	• 1	.4	. 8	.9	.5	.3	.3	• 2						80	115		
8/87		<u> </u>	-0	1	-2	8.	1.1	7	.5	1.7		-0						02	134		
6/ 85			.0			1.8	1.2		1.3			• 0		• Q	) )	ļ		82	227	2	
4/ 83		L	<u> </u>	. 9	202	102	1.3	2.2	1.0		-3	لتعسر	<u> </u>	-0				19	279	13	
2/ 81		• 1		2.2	2.6	1.7	3,1	1.3							1 1	1		99	357	14	
0/ 79		-2	-6	2.6	2.0	3.1	- 8	1.3	- 9									70	346	50	
8/ 77		.4		2.0	2.6	1.3	.9	.8	.6						į į			34	299	125	
6/ 75				Ja-	100	_	1.0	-8	- 9	7	-0							29	311	249	
4/ 73	,	1.7	1.5	2.2	1.0	1.0	1.0	.3		1 '								01 27	249 171	283	
0/ 69	2	1.03	100			.8	- 5		-0						<del>  </del>			99	124	303 363	
8/ 67	• 6	.8	1.0		•7	3	.2	•1	ł	}				l	{ {	- {	1	38	55	251	23
6/ 65		.4	.4	.1	-4	0	.0			<del> </del>					<del>                                     </del>			32	47	201	22
4/ 63		1	1	2	.0	. • •	• •			{	1					ł	İ	11	39	131	26
2/ 61	•0	.0	.2	.0	.1		<u> </u>			<b></b>								11	26	108	
0/ 59	•	2	"-		""	ĺ	[ ]							ĺ	1 1	į	- [	- 5	13	79	
8/ 57		• 2	•0								<u> </u>							5	9	41	
6/ 55					L															17	
4/ 53															i i					1	8
2/ 51							<u> </u>	<u> </u>		<u> </u>											
0/ 49									Ì		Ì						İ		. !	l	2
8/ 47			<u> </u>	L						<u> </u>		L									1
6/ 45		]	}		İ	Į			Į		ļ									1	2
4/ 43			<del> </del>	<del> </del>		<del> </del>	ļ			├	<del></del> -				<del>  </del>		<del></del>			<del></del>	<del> </del>
2/ 41		}		1	1	1			ł	1			l	1		}	-			l	1
0/ 39		<del> </del>	<del> </del>	<del> </del>	<del> </del>		<del> </del> -		<del>                                     </del>	-					<del>  </del>				<del></del> -	<del> </del>	├
TAL	. 3	6.	د د	14 6	5 4	8.1	2 6	. 2	8 0	5.0	2.4	. 4	•0	•1		1	1		2911	l	223
		0.0	7.66	4.7	200	***	-642	2002	9.0	كاعد	2.9	- 4					22	31	£744	2231	5.63
lement (X)		Ex2	<u> </u>		2 1	Ц_	<u> </u>	7,	Ц	No. Ot	L T			<u> </u>	Mean N	o. of Hours	with Ten	nee re	ure i	<u> </u>	<u></u>
el. Hum.			5795		1412	51	63.3			22		s 0 l	, ,	32 F	≥ 67			80 F	→ 93 F	F	Total
ry Bulb		1822			2294		78.8			29					709-	8 020		1.2			76
et Bulb		1093			1557		69.8			22			$\top$		551.			4.0		<u></u>	74
ew Peint			1749		1440		64.9			22					341.			4		$\neg$	74

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### PSYCHROMETRIC SUMMARY

MARTIN MARIETTA AIRFIELD MD 93744 STATION 70-70 ΔUG YEARS PAGE 1 0600=0800 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B./W.B. Dry Bulb Wet Bulb Dew Peint 86/ 85 . 2 84/ 83 9 10 82/ 61 80/ 79 78/ 77 31 55 1.4 2.0 28 78/ .6 4.8 2.4 1.0 46 • 4 76/ 75 73 90 3.6 24 67 35 73 76 101 75 74/ 73 5.8 5.4 3.4 88 1.2 1.6 <u>59</u> 71 3.0 72/ 71 85 76 70/ 69 3.8 5.4 2.0 79 54 47 68/ 67 **.** 8 43 58 27 1.8 .6 66/ 65 2.0 30 51 1.8 64/ 63 . 8 23 20 44 28 35 11 . 2 13 62/ 61 1.0 31 1.6 .6 60/ 59 23 21 18 58/ 57 3 12 56/ 55 54/ 53 52/ 51 50/ 49 6 48/ 47 46/ 45 3 44/ 43 TOTAL . 823.972.023.313.1 5.8 587 503 503 Element (X) ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. 3262282 40160 79.810.550 50 a 10F ≤ 32 F

587

503

78.3

58.1

46.6

47.1

17.6

8.1

93

93

93

71.8 5.487

67.5 5.558

42162

33945

32759

C FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM

USAFETAC FORM 0-26-3

Dry Bulb

Wet Bulb

Dew Point

3045980

2304291

2154911

# **PSYCHROMETRIC SUMMARY**

93764 MARTIN MARIETTA AIRFIELD MD 70-78 VEARS PAGE 1 0900-1100

Temp.						WET	BULB '	TEMPER.	ATURE	DEPRE	SSION (	<b>F</b> )					TOTAL		TOTAL	
(P)	0	1 - 2	3 - 4	5 - 6	7 . 8								23 - 24	25 - 24	27 - 28 29	· 30 · 31		Dry Bulb		Dew Per
94/ 93									• 1								3	3		
92/ 91								- 3	. 3	"							4	7		
90/ 89						• 1	.9	ó	. 6	.1							16	16	<u> </u>	<b></b>
88/ 2/		1		. 1	.4	. 7	1.5	.7	•	••							24	25		
86/ 85				.3	.7	2.0	1,6		. 3	1							41	44	İ	
84/ 83		.1	. 3	.7	1.6	3.1	1.7	9	.1		.1						60	62	!	
82/ 81		.1	. 9	2.9	3.5	2.6	2.3	. 3	.4	.1			***************************************				91	97	6	2
80/ 79			7	4.8	3.6	2.3	9	7	6						l l		96	111	10	5
78/ 77		.1	2.9	3.6	3.8	1.0	1.6	.4	. 1								94	101	33	6
76/ 75		قمذ	147	2.8	1.9	1.9	1.2	1.5									86	93	85	17
74/ 73		1.3	3.1	1.9	.7	1.6	1,3	.7									73	76	146	48
72/ 71		1.2	1.0	. 6	1.5	1.3	9										45	47	90	130
70/ 69	. 3	.1	. 3	.6	. 3	1.3	. 6		. 1			1					25	27	102	98
68/ 67	1			6	فه	4	-4			ļ							13	14	50	89
66/ 65		.1	. 4	. 4	. 1	• 1	. 3										11	11	49	62
64/ 63						6				ļ							5	5	39	50
62/ 61													ĺ						38	36
60/ 59		<b> </b>								<b> </b>									23	31
58/ 57										j									6	24
56/ 55										<b> </b>							$\longrightarrow$		6	
54/ 53				1				ł								ļ	1 1		4	16
52/ 51								+		<del>                                     </del>							┼		ļ	19
50/ 49																				10
46/ 47					$\longrightarrow$												<del> </del>			
64/ 43					- 1							1								5
42/ 41		-								<del> </del>					-		<del>  </del>			-
40/ 39					- 1												1 1			1
UTAL	. 4	4.7	11.4	9.2	8.5	19.2	15.1	7.4	3.1	.9	.1						<del> </del>	738		687
٠	• •	70'	4 4 4	. , 4		,,,,,		' • •	J. L	• 1	• 4						687	130	687	501
																	V V V		987	
													ļ							
lement (X)		XX.			X		X	<b>₽</b> <sub>3</sub>	Ι	No. Ob	4.				Mean No.	of Hours wit	h Temperatu	10	L	
tel. Hum.		318	4470		459	4	56.8	2.99	9	6	37	± 0 F	3	32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 I		Total
Dry Bulb			4446		577			5.45		7	38		$\perp$		91.0	79.9	39.7		4	93
Wet Sulb		339	9039		481		70.1	5.32		6	37				70.7	37.3	1.2			93
Dew Point		301	7429		452	5 6	45.9	7.00	الفر	6	37				53.5	10.6				93

USAFETAC FORM 0-26 3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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CARRIAC FORM

# PSYCHROMETRIC SUMMARY

MARTIN MARTETTA AIRFIELD MD PAGE 1

					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,																(L, S, T,)
Temp. (F)											SSION (				r			TOTAL D.B./W.B.	<u> </u>	TOTAL	T
	0	1 - 2	3 - 4	5 - 6	7.8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22		25 - 26	27 - 28	29 - 30	> 31	U.B./ W.B.	Dry Bulb	Wet Bulb	Dew Pe
100/ 99						i		_		İ			• 2					1	1		İ
96/ 95								.2			.3				ļļ.			3	3		ļ
94/ 93					• 2	_	.3	. 2	• 2		• 2							8	9	Į.	
92/ 91					. 2	• 5		, 3		, 3							ļ	19	23		L
90/ 89						• 3			.8									22	23		
88/ 87						.8			10	. 5					ļļ.		ļ	44	46		ļ
86/ 85			• 3				2.4	1.8	1.5									94	101	1	
84/ 83		2		. 8	2.7	404	201	1.8	102	8								94	106	1	<u> </u>
82/ 81			,3	2.6				1.4							}			112	124	10	
80/ 79			- 8	2.9	2.3	3.6		1.8	9	-6								96	105	16	
78/ 77	• 2	• 2	. 5		2.4	1.1			1.4	_								67	74	44	
76/ 75		2	1.2	- 9		-2	1.5	1.4	Les	5								47	52	118	
74/ 73		• 3		• 5	• 4	• 3		. 5	.3									15	15	122	52
72/ 71	6	5	.3		5	.6	-	.3	5									22	22	67	
70/ 69	• 2	• 2	• 2	• 2			.3		.2									7	7	66	
68/ 67				5			3	- 2										- 6	6	45	70
66/ 65	. 3	• 2	1								l							3	3	41	70
64/ 63									<u> </u>		<b> </b>	<b></b>					ļ			36	<del></del>
62/ 61			ļ	,			}	ļ			l						}		ļ	28	34
60/ 59			ļ				ļ	ļ		ļ							<b> </b>			11	27
58/ 57															1 1					9	29
56/ 55							<u> </u>		<del> </del>			$\longrightarrow$								4	30
54/ 53			ļ	ļ			ł				1									1	1.5
52/ 51			ļ					<b></b>	<b></b>	<b></b>											16
50/ 49											Ì									ŀ	14
48/ 47			ļ				<del> </del> -		<del> </del>												<u> </u>
46/ 45							1														6
44/ 43							ļ	<b></b>				<u> </u>						ļ		<del> </del>	2
42/ 41		٠. ـ	١.,,		اء را		L - ^	<u>ا</u>	l	١	1	1	_				ļ			l	2
TOTAL	106	103	2.3	10.3	1405	17.4	17.9	3307		5.0	1.0		-3					660	720	4.5	660
																		900		660	
Element (X)		Σ×,			ž x		X	·* 2		No. Ol								Temperut			
Rel. Hum.			9594		394		59.8				6U	10F	•	32 F	≥ 67 1		73 F	> 80 F	≥ 93		Total
Dry Bulb			8587		587		81.6				20				92.	_	P8.1	63.		.7	9;
Wet Bulb			4288		469		71.1	5.2			<u>6u</u>				74.		44.0	2.			9;
Dew Point		288	4230	<u> </u>	433	58	<u>65.7</u>	7.3	78	- 6	<u>6. i</u>				50.	6	12.8	<u> </u>	7		93

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF 1,415 FORM ARE OBSOLETE

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USAFETAC

# PSYCHROMETRIC SUMMARY

3744	- 16	RTIN	1120	81	TATION N	AME	<u> </u>	<u> </u>		70=	10			YE	ARS					MOI	JG NTH
																		PAGE	1	1500 HOURS	17
Temp.								TEMPER										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B./W.B.	ry Bulb	Wet Bulb	Dew
98/ 97											.2	.4			,			3	3		
96/ 95								<u> </u>		<u> </u>	. 2							1	1		
94/ 93		]			]		ļ			, 2	}	]	. ]					1	3		
92/ 91						2	6	- 6	1.4	6								18	20		<u></u>
90/89		j .		ļ	]	• 4	. 8	2.4	.2	.6	.2	] ]				j		23	30		]
88/ 87					. 6	102	2.2	1.4	8	1 8	.6	2						41	54		
86/ 85		) i		. 8	1.2		1.8	3.0	1.8	.6	.8	.4				j		70	91		1
84/ 83			-2	1.2	2.6	2.8	3.8	3.8	1.0	-6					<b></b>			31	98		
82/ 81				2.0		3.2	2.2	1.8	.8	.2	.2		· j			)		68	86	3	)
80/ 79			6	1.2	1.0	3.2	2.2	3.2	1.2	8								69	96	19	
78/ 77			. 5	1.0	2.4	. 8	1.8		.4	.2	J	<b>!</b>	i ]		i j	]		43	57	31	
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Dry Bulb			°610		524	94	81.8	5.2	35	6	42				92.	6 8	6.5	62.3	1	0	
Vet Bulb		254	5917	1	357	97	70.7	5.1	62	5	06				74.		9.1	1.7	1	T	•

USAFETAC JUN 77 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Dew Point

### **PSYCHROMETRIC SUMMARY**

93

MARTIN MARIETTA AIRFIELD MD 1800-2000 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 96/ 95 92/ 91 . 3 .6 90/ 89 . 3 . 3 5 88/ 87 1.1 86/ 85 . 6 82/ 81 1.7 . 3 37 64 80/ 79 56 84 78/ 77 72 1.7 1.7 2.0 48 . 6 45 10 25 76/ 75 69 <u>34</u> 57 73 1.4 . 8 , 8 1.7 1.4 741 1.1 27 41 72/ 71 1.4 35 38 46 70/ 69 59 25 1.4 1.7 .6 1.4 30 - 8 38 68/ 67 49 5 66/ 65 . 8 28 24 25 15 64/ 63 62/ 61 60/ 59 58/ 57 56/ 55 54/ 53 9 50/ 49 2 46/ 45 38/ 57 355 TOTAL 7.6 8.513.022.820.014.4 7.9 3.9 519 355 355 No. Obs. Element (X) 23475 56.114.000 267 F 273 F 280 F 293 F 355 ± 0 F ≤ 32 F 1621709 40486 78.0 5.222 91.6 77.8 37.6 Dry Bulb 3172348 519 93 Wet Sulb 24594 69.3 5.181 66.8 29.1 93 1713348 355

N. 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

(FETAC FOR

Dew Point

23005

54.8 6.968

93744 MARTIN MARIETTA AIRFIELD MD

### PSYCHROMETRIC SUMMARY

AUG

PAGE 1 2100-2300 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 88/ 87 1.4 86/ 85 84/ 63 10 82/ 61 13 80/ 79 .7 1.4 4.9 1.4 14 30 19 46 76/ 75 .7 1.4 4.2 1.4 13 36 74 73 71/71 16 26 7.6 2.1 4.9 18 4.2 28 42 14 19 17 70/ 09 1.4 2.8 31 68/ 67 2.1 2.8 2.1 22 14 12 8 66/ 65 19 64/ 63 13 .7 13 2 62/ 61 12 60/ 59 . • 7 58/ 57 56/ 55 54/ 53 6 4 52/ 51 48/ 47 TOTAL 1.418.121.533.316.0 5.6 2.8 267 144 144 Element (X) No. Obs. Rel. Hum. 76.511.227 2 0 F ≥ 73 F ≥ 80 F ≥ 93 F 11023 861819 144 Dry Bulb 1473513 19781 74.1 5.489 84.3 57.1 13.6 93 267 Wet Bulb 662045 57.6 5.412 9733 144 56.2 19.4 93 Dew Point 608577 4.5

71-78

NRM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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FORM CARETAC

MARTIN MARTETTA AIRFIELD HO

#### **PSYCHROMETRIC SUMMARY**

ALL HOURS (L. S. T.) PAGE 1 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL (F) 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 100/ 99 98/ 97 .0 96/ 95 5 5 .1 94/ 93 . 0 92/ 91 . 3 52 44 76 90/ 89 66 87 120 143 86/ • 6 1.5 • 1 239 86/ 85 1.0 221 1.9 1.4 • 1 279 341 84/ 83 2.0 2.6 1.9 2.9 82/ 81 2.3 321 394 359 10 79 3.0 457 2.4 1.3 52 80/ 2.7 1.1 .6 . 4 • 1 78/ 77 317 405 128 301 75 75 1.4 1.2 . 6 386 76/ 1.0 345 1.7 74/ 73 243 287 495 205 72/ 71 .0 204 239 384 1.8 . 2 424 1.5 • 8 1.0 7ء 153 175 409 70/ 69 431 90 329 68/ 67 . 6 . 8 • 3 81 257 57 308 66/ 65 . 6 64 230 33 38 231 64/ 63 . 6 • 3 • 3 . 1 . 2 182 18 62/ 61 139 147 60/ 59 .0 . 1 • 0 14 16 103 58/ 57 131 39 56/ 55 .0 .0 .0 4 34 121 79 54/ 53 12 52/ 51 71 54 50/ 49 48/ 47 25 46/ 45 44/ 43 42/ 41 40/ 39 38/ 37 TOTAL .9 6.012.115.715.915.913.0 9.5 5.6 2.4 3477 2658 2858 2858 No. Obs. Mean No. of Hours with Temperature ≥67 F ≥ 73 F ≥ 80 F = 93 F Rel. Hum. ± 0 F ≤ 32 F Tetal 13265835 169897 66.415.064 2858 Dry Bulb 21384507 712.1 604.3 325.5 744 271761 78.2 6.431 3477 Wet Bulb 59.8 5.470 13993949 199375 2858 550.1 271.0 8.9 744 2.9 12357591 186845 65.4 7.060 387.9 95.4 28511 744

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

93744 MARTIN MAKIETTA AIRFIELD MD PAGE 1 0600=0800 Hours (L. s. T.) WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 31 D.B./W.B. Dry Bulb Wer Bulb Dew Peint (F) 82/ 11 . 2 80/ 79 78/ 77 76/ 75 1.9 .9 18 22 .4 . 2 1.9 26 33 74/ 73 2.4 1.1 . 2 19 39 30 1.3 4.7 1.5 . 2 61 69 34 70/ 69 4.3 1.1 45 55 68/ 67 4.7 48 40 34 71 26 66/ 65 4.9 4.5 . 2 56 31 64/ 63 4.1 53 59 . 9 2.6 3.2 . 2 40 44 54 1.3 62/61 51 60/ 59 42 47 40 41 36 58/ 57 1.5 1.1 22 28 1.5 . 6 44 19 37 56/ 55 30 54/ 53 9 . 6 12 26 23 52/ 51 9. .6 13 16 19 50/ 49 .6 . 2 6 18 . 4 48/ 47 10 . 2 46/ 45 4 5 16 44/ 43 13 42/ 41 5 40/ 29 38/ 37 36/ 33 32/ 51 30/ 29 2 561 2.633.546.117.9 7.3 2.1 468 TOTAL 468 ZX' No. Obs. Mean No. of Hours with Temperature Element (X) Y 10 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum, 38110 81.410.882 3159674 468 Dry Bulb 90 2394597 36455 65.0 7.050 561 38.8 12.7 90 28737 Wet Bulb 61.4 7.280 1789313 24.8 4.8 468 Dew Print 1660956 27596 59.0 6.499 19.2 90

70-78

ö PREVIOUS EDITIONS ₹ ₫ 0-26-3

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Statem (A) motors

USAFETAC

GLOBAL CLIMATOLORY BRANCH

AIR FEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

12.6

35.9

23.2

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MARTIN MARTETTA AIRFIELD MD 70-75 0900-1100 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 > 31 D.B./W.B. Dry Buib Wer Buib Dew Point 94/ 93 1 . 2 90/ 89 88/ 87 .3 . 2 . 2 86/ 85 .6 . 6 84/ 83 17 22 . 6 . 2 40 80/ 79 2.0 1.1 37 44 1.2 77 37 78/ . 3 30 3.5 75 74 76/ 1.4 1.1 2.6 1.1 69 10 25 74/ 73 1.8 66 10 47 2.3 72/ 71 2.3 1.4 1.8 67 63 40 2.0 70/ 69 69 50 66 59 68/ 67 2.7 2.0 71 1.8 1.2 1.4 . 6 66 70 45 63 66/ 65 59 62 80 64/ 63 1.2 . 8 1.7 48 49 70 54 68 62/61 32 33 71 60/ 59 . 3 .6 • 3 . 2 . 8 . 2 15 15 40 48 58/ 57 10 43 56/ 55 9 34 . 5 32 54/ 53 52/ 51 32 . 2 13 50/ 49 48/ 47 18 46/ 45 44/ 43 13 1 40/ 39 38/ 37 36/ 35 34/ 33 32/ 31 1.110.116.222.417.116.6 9.2 3.4 708 655 655 Element (X) Mean No. of Hours with Temperature 44977 Rel. Hum. 3239673 68.715.207 5 0 F ± 32 F > 67 F = 73 F = 80 F = 93 F 655 3660076 Dry Bulb 708 67.0 50712 71.6 7.207 40.7 13.9 90

655

555

ORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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TAC FORM

Wat Bulb

Dew Point

2752099

2409659

42201

39261

64.4 7.117

59.9 9.241

# PSYCHROMETRIC SUMMARY

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72/		_	. 3	1.4		1.4	1.4	.6	1.3	. 2	.2	ا ا					-		50	54	39	
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	Point						<del></del>		├								-+		<del> </del>		<del> </del>	

# PSYCHROMETRIC SUMMARY

Mean No. of Hours with Temperature

57.8

43.2 16.3 24.0 5.8

78.8

24.0

± 32 F

≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F

27,4

1.6

90

90

90

MARTIN MARTETTA AIRFIELD MD 1200-1400 HBURS (L. S. Y.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-26 29-30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1.1 4.6 7.412.517.820.313.9 9.0 7.5 2.9 2.1 .6 . 3 697 625 TOTAL 625

No. Obs.

625

697

625

625

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60.915.639

75.3 7.440 65.7 7.090

59.9 9.532

70-78

( C C PREVIOUS EDITIONS OF THIS FORM. C 4 ਰੁ 0-26-3 FORM JUN 71

Element (X)

2474339

3993272

2731738

38093

52502

41082

37436

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Peint

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#### **PSYCHROMETRIC SUMMARY**

() 93744 MARTIN MARIETTA AIRFIELD MD 70-78 (] PAGE 1 1500-1700 HOURS (L. S. T.) Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL () (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B./W.B. Dry Bulb | Wet Bulb | Dew Peint 92/ 91 , 2 . 2 90/ 89 () 88/ 87 1.5 1.1 18 . 2 . 4 18 •6 34 . 2 3 84/ 83 1.1 24 40 () 82/ 81 37 PO/ .2 40 48 78/ 77 48 67 () 76/ 75 50 60 741 73 47 60 72/ 71 .2 1.3 22 37 • 6 1.1 48 57 39 COSSOLETE . 8 68/ 67 45 66/ 65 48 37 64/ 63 . 4 . 2 . 4 48 62/ 61 5 • 2 60/ 59 . 6 41 38 25 35 33 56/ 55 37 28 52/ 51 24 48/ 47 20 44/ 43 13 42/ 41 40/ 39 38/ 37 34/ 33 32/ 31 .4 4.2 4.710.815.321.715.510.8 8.5 3.6 3.6 TOTAL 597 471 471 471 £ So ₹ Element (X) 2 X, No. Obs. Z x Mean No. of Hours with Temperature 58.215.269 75.7 6.970 Rel. Hum. 1704710 27410 10P ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 471 Dry Bulb 3453554 45216 597 81.7 60.0 28.3 Wet Bulb 2043376 30850 65.5 6.947 40.7 90 471 13.8 Dew Point 1689256 27536 59.1 4.582 20.1 90

#### **PSYCHROMETRIC SUMMARY**

MARTIN MARTETTA AIRFIELD MD SEP 1800-2000 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 23 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point 88/ 87 86/ 85 84/ 83 1.2 9 10 15 .3 104 19 33 79 22 80/ . 6 . 3 17 32 29 52 78/ 77 76/ 75 . 6 1.2 11 74/ 73 72/ 71 44 56 2.0 15 70/ 69 39 63 42 68/ 67 1.2 30 1.2 .6 40 37 1.7 2.3 66/ 65 35 43 31 34 64/ 63 2.3 . 3 .3 19 41 22 12 62/ 61 11 60/ 59 . 3 1.7 29 58/ 57 30 25 56/ 55 . 3 .6 18 54/ 52/ 51 . 6 2 50/ 49 3 10 48/ 47 46/ 45 44/ 43 42/ 41 40/ 39 38/ 37 36/ 35 34/ 33 8.916.124.520.213.8 7.2 4.6 1.4 510 TOTAL 347 347 No. Obs. ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. 1722598 2 0 F ≤ 32 F ≥ 67 F 23928 69.014.485 37.6 Dry Bulb 2594947 71.0 6.973 51u 11,5 90 36205 65.6 63.9 6.691 59.5 8.451 Wet Bulb 90 1432200 8.0 22172 347 32.4 20650 Dew Peint 90

C FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETI

USAFETAC FORM 0-26-3 (OL A) P

### PSYCHROMETRIC SUMMARY

MARTIN MARIETTA AIRFIELD MO 70-78 2100-2300 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 26 | 29 - 30 | = 31 | D.B./W.B. Dry Sulb Wet Sulb Dew Point (F) 84/ 83 82/ 81 •7 80/ 79 2.1 78/ 77 76/ 75 .7 1.4 57 1.4 20 2.1 73 72/ 71 18 4.3 4.3 28 5.0 1.4 7.1 3.5 70/ 69 68/ 67 2.8 •7 39 18 25 66/ 65 24 15 5.7 1.4 1.4 13 27 64/ 63 17 • 7 60/ 59 1.4 1.4 11 12 58/ 57 1.4 1.4 56/ 55 5 6 8 54/ 53 6 6 52/ 51 1.4 87 50/ 49 3 48/ 47 2 46/ 45 44/ 43 42/ 41 2.820.671.926.211.3 4.3 1.4 1.4 TOTAL 261 141 Element (X) No. Obc. Meen He, of Hours with Temperature Rel. Hum. 77.412.215 10F ≤ 32 F ≥ 67 F = 73 F = 80 F = 93 F Total 865680 10914 141 Dry Bulb 17595 57.4 0.579 1197401 53.8 18.6

s OBSOLETE C ARE ŏ PREVIOUS EDIT C C ₹ ₫ 0-26-3 O

Wet Bulb

Dew Peint

547494

498424

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59.0 7.312

8744

8320

261

141

23.0

14.0

2.6

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90

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# PSYCHROMETRIC SUMMARY

3744 STATION	. 1774	RTIN	MAR		TATION N		LU II	.,		7 <u>()-</u>	10			Y	EARS					MO	EP NTH
																		PAGE	1		L. E. T.)
Temp.											SSION (							TOTAL		TOTAL	
(F)	0	1 . 2	3 · 4	5 - 6	7 . 8	9 - 10	11 - 12		15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 26	29 - 30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Pei
96/ 95								.1										2	2	ļ	
94/ 93							1				•0							3	3		
92/ 91				ļ		• 0	-	•0									İ	7	7		
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86/ 85			<b></b> ,	• 4	• 2			.2		- +	- 3	• •	0.0		ļ	ļ	┿	78	97		
84/ 83 82/ 81			• 1	.6	.4	• 6 • 8	. 4	.4	.1	.1	• 4	• 0	•0					88	129	1 9	Ì
82/ 81			• 6	.8	1.0				<u>3</u>	- 3		•0 •1			<del> </del>	<del></del>		145	179		
78/ 77		,	.7	1.2	1.7	194	1.0	2			• 1	•0						178	231	34	3
76/ 75		.3	1.0	2.0	1.7	2.1		.3	.3	.2	- 1			<del> </del>	<del> </del>	<del> </del>	<del> </del>	239	299	108	3
74/ 73		9	1.0	2.3	1.0		.6	3	. 5	.2	••				Ì			238	291	141	4
72/ 71	• 1	1.6	1.8	1.4	1.6				.2	-1	-				<del> </del> -	<del> </del>	<del> </del>	253	301	157	13
70/ 69	- 6		2.5	1.3	1.2	9		7			.0							271	335	274	19
68/ 67	.1	1.2	2.4	2.0	1.1										i	<del>                                     </del>	<del> </del>	247	301	296	18
66/ 65	.1	1.8	2.0	1.4	1.0		,6		.2	.0								223	271	308	21
64/ 63	.1	1.6	1.5	.7	9			.2						<u> </u>	<b></b>			161	205	293	26
62/ 61	. 3	. 9	9	.9			1	li	••									112	133	246	27
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58/ 57		_6	. 5	.3	. 3	_2									<u> </u>	<u> </u>		55	69	196	19
56/ 55		. 4	. 3	.4	, 3	• 2	. 1											43	47	150	17
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44/ 43			•0															1	1	8	6
42/ 41				<b> </b>	<b>_</b>	<del> </del>	<del>├</del> ─	-			<b>-</b>				<b>├</b>	-		+	<del>-                                    </del>	3	4
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38/ 37 36/ 35				<del> </del>		<del> </del>	<del>                                     </del>		<del> </del>	<del></del>				<del>  -</del>	<del> </del>	├	<del> </del>	1		<del>                                     </del>	1
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Rel. Hum.								<del>-</del>				<b>±</b> 0 l		± 32 F	≥ 67		73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb						$\neg \uparrow$							$\top$	·	1				1		
Wet Bulb																	.,	1	1	1	
Dew Peint								Î										1	1		

ARE OBSOLETE FORM 10-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM.

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GLOBAL CLIMATOLORY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 93744 MARTIN MARIETTA AIRFIELD MD 70-78 C PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point C TOTAL 1.412.316.417.815.314.8 9.2 5.5 4.0 1.6 1.3 .3 3335 2708 2708 2708 0 C 0 OBSOLETE ¥ OF THIS FORM PREVIOUS EDITIONS O ₹ 0 0-26-3 SS SS Element (X) No. Obs. Mean de. of Hours with Temperature 2708 Rel. Hum. 13173774 67.816.494 ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 183522 71.6 6.070 64.2 7.174 59.5 9.068 526.7 326.4 126.1 720 720 Dry Buib 3335 17309203 238751 Wet Bulb 282.9 89.6 2706 11300266 17385C 6.9 Dew Point 2708

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#### PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MP 70-78 CT MONTH ž () 0600-0800 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (: (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Buth Wet Bulb Dew Point 72/ 71 3 3 70/ 69 .9 () 1.3 68/ 67 . 2 11 3 10 66/ 65 3.3 28 31 64/ 63 25 31 17 (1 62/ 61 29 30 20 60/ 59 3.5 20 26 29 31 58/ 57 28 36 9 56/ 55 37 26 40 22 53 35 22 52/ 51 3.5 3.9 52 46 28 26 21 21 35 50/ 49 37 48 48/ 47 4.2 1.8 35 48 35 46/ 45 2.6 30 38 48 1.1 35 25 17 30 35 42/ 41 • 7 1.3 11 40/ 39 1.8 1.1 25 30 15 38/ 37 9 14 26 36/ 35 7 11 15 15 ð EDITIONS 32/ 31 6 30/ 29 28/ 27 6 26/ 25 4 24/ 23 22/ 21 20/ 19 ₹ 12/ 11 ₫ 457 TOTAL 6.344.975.615.1 5.0 2.8 559 457 457 Element (X) No. Obs. Mean No. of Hours with Temperature Rei. Hum. 36715 3036801 80.313.824 457 ± 0 F s 32 F ≥ 73 F - 80 F - 93 F ≥ 67 F Dry Bulb 1561062 29110 52.1 8.996 559 93 1.5 4.0 1169855 49.7 9.575 22695 457 4.7 2.0 93 Dew Point 1047734 93 11.2

OBSOLETE 1 | # (1 PREVIOUS E C 0.26-3

## PSYCHROMETRIC SUMMARY

93746 MARTIN MARIETTA AIRFIELD MD 70-78 0900-1100 HOURS (L. S. T.) PAGE 1

Temp.	T					*********					DEPRE				_				TOTAL		TOTAL	
(F)		0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	2 31	D.8./W.S.	Dry Bulb	Wer Bulb	Dew Peint
82/ 81	1									. 3									2	2		
80/ 79							. 3		.1										3	3		
78/ 77	7							,4											3	4		]
76/ 7					.3	-1		-1		-1									5	5		
74/ 73	3			.3	.3	. 3	.6	.1	.1	.1									13	14		
72/ 71			. 9	. 4	-4	1.0		1											23	25	4	2
70/ 69	9	. 3	. 4	2.2	. 9	.3	.6				[								36	36		6
68/ 67		1	. 9	-4	1.6	1.2	. 6												34	35	14	7
66/ 6	5		2.2	1.0	1.6	1.6	. 4	.9	.3	. 1									56	59	38	15
64/ 63		- 9	1.3	1.5	1.9	. 4	1.8	9	.3										61	65	41	34
62/ 61		• 4	2.1	1.0	1.0	1.5	1.8	.3	.1						!				56	59	31	34
60/ 59		7	3.3	1.0	1.5	2.4	1.6	7	6										80	85	65	25
58/ 57		• 1	1.3	1.2	1.3	3.3	1.5	,7	.1			ļ	[						65	73	56	57
56/ 5		3	1.5	3	2.1	1.2	2.4	6											56	64	35	33
54/ 53		• 1	1.3	• 9		1.3	.9												44	53	66	33
52/ 51		3	7	فم	2	1.2	102	.3							ļ				33	39		37 24
50/ 49			• 4	. 4	1.3	1.8	• 7				Ì								32	37		24
48/ 47			3	.3	6	7	7			ļ		ļ			<b> </b>	ļ		<u> </u>	18	20		30 57
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22/ 21					_	<del>                                     </del>	<b></b>	<b>†</b>	<u> </u>	<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	<del> </del>	_		-		<del> </del>			<del>                                     </del>	*
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18/ 17					<del>                                     </del>							<b> </b>							1		<del> </del>	1
16/ 15			j						1			1										i
Element (X			Σχ'			žχ		X	•,		Ne. O	a.	•	·····		Mean N	o. of H	ours wit	h Temperat	ure	<del></del>	<del></del>
Rel. Hum.	十								<del></del>				10	,	32 F	≥ 67		73 F	■ 80 F	2 93	F	Total
Dry Bulb	$\top$						$\neg$							$\top$			$\neg$		1	1		
Wet Bulb	$\top$									$\top$									<b>†</b>			
Dew Point														$\neg \uparrow \neg$						1		

USAFETAC JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MI)
STATION NAME DCT MONTH 70-78 YEARS tı 0900-1100 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point C (F) 14/ 13 12/ 11 TOTAL 676 3.617.912.170.421.316.0 6.2 1.8 C 736 676 676 C ( ARE OBSOLETE THIS FORM PREVIOUS EDITIONS OF ( ₹ ಠ 0-26-3 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. 3241701 45227 66,917,882 ± 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 676 Dry Sulb 2591768 43252 58.8 8.249 730 15.7 93 35786 52.9 8.800 47.211.857 3.9 2.1 93 93 Wet Bulb 1946708 676 1.4 Dew Point 1598821 31685

# PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MO PAGE 1

Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	a 31	D.B./W.S.	Dry Bulb	Wet Bulb	Dew Pe
86/ 85										. 2	.5	•2				T		5	5		
84/ 83			i '						}	2	2	}		1	j		1	2	2	İ	}
82/ 81						• 3				,3	• 2		-		1		1	5	7		<u> </u>
80/ 79								. 5	.3	1				Ì	1		1	5	7	Ì	1
78/ 77				• 2	. 6	• 2	.6							1		<b>-</b>		11	12		<u> </u>
76/ 75				. 5		3	. 2	2		.2				ĺ	l			- 0	14		
74/ 73				. 8	.6	• 2	1.2	. 2	1.2	.3								29	32		<u> </u>
72/ 71		. 8	. 2	. 9	1.9	.6	. 8	9	. 5	Ť				İ				42	43	5	ł
70/ 69		1.4	2.0	1.7	2.0	1.6	. 8	1.2	.9	.2								76	76	13	1
68/ 67		. 2	9	. 9	1.4	1.7	. 8	9	.5					1	1		ì	47	52		
66/ 65		.9	• 6	1.4	2.2	1.2	1.7	1.2	. 5	.3								65	70		1 16
64/ 63	3	1.1	8	2.2	1.9	1.1	9	3	3	2	l	L	L	<u>L</u> _	]	<u></u>	<u></u>	58	60	44	2
62/ 61	. 2	1.4	1.2	, 5	1.9	1.9	1.2	, 9	.5									62	74		5.
60/ 59		1.2	1.1	. 3	1.6	عنت	2.2	1.2	2								L	62	76		30
58/ 57		.6		. 8	1.2	.9	2.3	.2		]	}	]				]	)	39	53	75	34
56/ 55	. 3	9	. 2	. 8	. 5	3	1.6	3		<u> </u>						<u> </u>		31	35	51	50
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26/ 25		1					<b> </b>			1		1		1		}	}			1	20
24/ 23			ļ							<del> </del>		<del> </del>	<del> </del>	├	<del> </del>	<del> </del>	├	<del>  </del>		<del> </del>	
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Rel. Hum.									-+-	70.01	-	≤ 0		± 32 F	= 67		73 F	- 80 F	2 93	F	Total
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Wet Bulb				<del> </del> -				<del> </del>							$\vdash$			<del> </del>	+		
Dew Point				<del></del>				<del>                                     </del>							<del>                                     </del>	-+-		<del></del>			

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### **PSYCHROMETRIC SUMMARY**

OCT MONTH MARTIN MARIETTA AIRFIELD MD 70-78 1200-1400 HOURS (L. S. T.) PAGE 2 Temp. (F) WET SULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 16/ 15 8/ 645 TOTAL 1.410.5 7.312.718.917.515.8 6.2 5.0 1.7 721 645 645 ZX2 Element (X) Z X No. Obs. Mean No. of Hours with Temperature Rel. Hum. 2438996 37740 58.518.930 645 ± 32 F ≥ 67 F × 73 F ≥ 80 F > 93 F 10.2 63.0 8.393 54.7 8.425 47.111.935 Dry Bulb 32.2 93 2913246 45430 721 2.3 Wet Bulb 1974029 93 35267 645 5.6 Dew Point 30359 1520681 645 93

OBSOLETE Ö EDITIONS PREVIOUS ₹ ಠ 6

## **PSYCHROMETRIC SUMMARY**

93744 MARTIN MARTETTA AIRFIELD MD 70-78

STATION NAME

YEARS

ON THE TOTAL PROPERTY OF T

PAGE 1 1500-1700

Tomp.						WET	-	TEMPE	ATURE	DEPRE	SSION (	F)							TOTAL		TOTAL	
(F)	0	1.2	3 - 4	5.6	7 . 8							21 - 22	23 - 24	25 . 26	27 -	28	29 - 30	2 31	D.B./W.B.	Dry Bulb		Dew Pei
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84/ 83		Ì				' I		Ì	. 2	ľ	2			l	l	- 1		1	2	ž		ł
82/ 81	•					,2		.2	-1.5	.2					†	-			3	- 4	<del>                                     </del>	<del> </del>
80/ 79						- 4			. 8	'-								1	6	7	}	
78/ 77					.6	.4	,2	.4	.2	<del> </del>	ļ			<del> </del>	+	_		<del> </del>	9	11		<del> </del>
76/ 75		Į		. 4		. 2	. 8	2	.2		i				ŀ			1	10	12		
74/ 73				.4	.6		. 4							<u> </u>	+	-		<del>                                     </del>	17	21		<del> </del>
72/ 71			.6	1.5	1.9	8	1.5	1.0	.6	2	{					- 1		İ	39	45	1	1
70/ 69	• 2	.4	1.7	.6	1.9	1.5	1.0												46	51		1
68. 67	2		1.5	2.3	1.9	1.5	1.5	1.0	.2		L			L					50	62		
66/ 65	5.	.4	1.7	1.9	2.5	• 6	1.5	.6	.6						T	T			48	66		1
64/ 63	2	1.7	1.9	1.5	2.1		2	a	2	- 4					L				43	59		
62/ 61			• 2	. 8	. 8	1.7	1.0	2.7	. 2	. 2								I	37	51	38	
60/ 59		1.7	. a	. 8	8	2.1	2.1	4	-4	1	<u> </u>				1_			1	44	76	49	
58/ 57	.6		. 2	. 8	1.9	. 4	1.5	. 2						}					27	36	57	40
55/ 55	6			2	6	8	2.1												24	33	35	29
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Rel. Hum.		_=						├─ <b>─</b>				± 0 1	F :	32 F		: 67		73 F	≥ 80 F	• 93	F	Total
Dry Bulb					,	_		<b> </b>	_						1				1	<del>                                     </del>		
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Dew Point								<b></b>							+				<del>                                     </del>	<del> </del>		

FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

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## PSYCHROMETRIC SUMMARY

MARTIN MARIETTA AIRFIELD MD 70-78 STATION NAME 1500-1760 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 231 D.B./W.B. Dry Bulb Wer Bulb Dew Point 10/ TOTAL 2.3 7.3 9.113.519.116.415.4 9.5 5.2 1.7 482 482 482 Element (X) ΣX No. Obs. Meen No. of Hours with Temperature Rel. Hum. 58.38.520 62.9 6.131 54.7 8.423 47.11.935 ≥ 80 F - 93 F 10 F ≤ 32 F 1801185 28083 482 ≥ 67 F ≥ 73 F Dry Bulb 93 2535254 32.0 8.7 39636 1.6 <u>630</u> Wet Bulb 1479899 26389 5.2 93 482 Dew Point 1137766 93 22702 13.9 412

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AC FORM (£.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OF JOLETE

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SAFETAC FOR

MARTIN MARIETTA AIRFIELD MD

#### **PSYCHROMETRIC SUMMARY**

PAGE 1 1800-2000 Hours (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 80/ 79 78/ 77 • 3 • 3 76/ 75 . 3 4 74/ 73 72/ 71 3 70/ 69 <u>. 8</u> 68/ 67 2.2 2.5 22 26 66/ 65 64/ 63 6.0 . 8 15 1.1 48 17 54 62/ 61 49 60/ 59 1.1 . 3 2.5 1.9 50 1.4 28 42 . 8 . 8 56/ 55 2.2 • 3 24 43 25 28 25 52 20 52/ 51 3.3 21 17 33 12 50/ 49 27 . 8 21 18 48/ 47 2.5 1.6 27 28 46/ 45 19 13 . 3 15 44/ 43 11 1.1 24 . 8 9 23 40/ 39 .5 . 8 10 14 36/ 35 13 9 32/ 31 30/ 29 12 28/ 27 26/ 25 24/ 23 3 22/ 21 20/ 19 2.545.305.808.242.641.01 TOTAL 365 365 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. 70. 13.485 57.3 7.934 = 67 F = 73 F = 80 F - 0 F s 32 F ≥ 93 F 1877881 25565 365 30987 7.3 1808845 541 Wet Bulb 52.2 8.654 47.211.059 93 1021407 19049 365 1.8 Dew Peint 856738 17218 365 93

70-78

FORM 0-26-3 (OL. A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

AFETAC FORM

MARTIN MARIETTA AIRFIELD MD

#### PSYCHROMETRIC SUMMARY

VEASE

2100-2300 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Builb | Wet Builb | Dew Point (F) 74/ 73 72/ 71 3 70/ 69 1.3 68/ 67 3 66/ 65 2.6 1.3 11 16 64/ 63 2.6 3 62/61 4.0 3.3 16 60/ 59 17 58/ 57 5.3 1.3 14 22 11 56/ 55 54/ 53 2.0 1.3 20 36 .7 2.0 50/ 49 2.6 21 19 48/ 47 4.0 14 46/ 45 17 2.0 2.0 44/ 43 1.3 1.3 5 11 5 42/ 41 10 40/ 39 6 .7 1.3 5 2 38/ 37 36/ 35 34/ 33 32/ 31 30/ 29 28/ 27 26/ 25 24/ 23 22/ 21 3.338.430.517.2 TUTAL 151 151 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. × 67 F = 73 F ≥ 80 F ≥ 93 F # 0 F 1 32 F 78.313.786 954851 11827 151 53.6 8.015 50.3 9.140 Dry Bulb 15072 93 825404 281 4.6 Wet Bulb 7593 93 394343 151 1.8 1.8 Dew Point

70-78

OBSOLETE ₹

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### **PSYCHROMETRIC SUMMARY**

93744 MARTIN MARIETTA AIRFIELD MD 70-78 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | • 31 D.B./W.B. Dry Bulb Wet Bulb Dew Paint (F) .0 . 2 86/ 85 .0 ام 84/ 63 .1 82/ 81 . 1 . 1 .0 10 13 80/ 79 15 : 1 78/ 77 .3 24 28 70/ 75 28 74/ 73 72/ 71 . 3 . 5 62 73 . 8 70/ 69 1.6 .1 179 187 38 19 68/ 67 195 24 169 66/ 65 . 2 1.8 1.3 1.3 1.6 237 284 155 66 2.0 124 64/ 63 241 285 162 . 3 1.9 1.3 .0 234 282 117 62/ 61 1.3 1.3 162 60/ 59 255 340 253 58/ 57 1.4 1.0 204 271 275 224 198 1.0 165 240 56/ 55 188 157 54/ 53 .7 1.0 153 190 1.0 1.4 . 8 . 5 .0 214 1.3 138 197 52/ 51 179 • 6 50/ 49 168 123 . 6 1.0 1.1 125 198 48/ 47 109 139 145 191 46/ 45 . 8 . 5 .6 . 2 89 117 185 174 78 161 44/ 43 57 143 .4 . 3 . 3 42/ 41 . 1 38 52 106 155 • 2 139 40/ 39 42 97 38/ 37 26 31 75 . 3 .3 61 19 35 19 36/ 55 , Õ 34/ 33 109 . 1 21 98 32/ 31 .0 .0 83 30/ 29 2 14 59 28/ 58 25 26/ 24/ 23 33 14 22/ 21 20/ 19 Mean No. of Hours with Temperature Element (X) 5 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. Total Dry Bulb Wet Bulb

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM

Dew Point

## **PSYCHROMETRIC SUMMARY**

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0													YE	ARS			DAC			CT NYH
0																	PAG	: 4	HOURS	L. S. T.1
0						BULB 1											TOTAL		TOTAL	
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																				Z
																				1
										L			1							3
																				2
																				2
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	1224	4670		2036	48	58.7	9.2	57	34	71									_	744
	799	2874		1469	36	52.9	8.9	76								~ • •		1		744
				1306	45	47.0	11.0	55	27	70		$\neg$	99.4				·	+		744
		2x' 1337 1224 799	2x1 13375900 12245670 7992874	\$ <sub>x</sub> ; 13375900 12245670 7992874	2x' 2x 2x 13375900 1854 12246670 2036 7992374 1469	2x <sup>1</sup> 2x 13375900 185428 12245670 203648 7992874 146936	2x1 2x x 1 237.59.00 185428 66.7 1224.670 203648 59.7 7992874 146936 52.9	2x1	2x <sup>1</sup>	2x1 2x x x x x x x x x x x x x x x x x x	2x1 2x x x x x x x x x x x x x x x x x x	\$\frac{1}{2}\frac{1}{2	\$\frac{1}{2375900}\$ \$\frac{1}{185428}\$ \$\frac{66.7}{58.7}\$ \$\frac{7}{9.257}\$ \$\frac{1}{3471}\$ \$\frac{1}{7992574}\$ \$\frac{1}{146936}\$ \$\frac{52.9}{52.9}\$ \$\frac{6}{8.976}\$ \$\frac{2779}{2779}\$	2x1 2x x x x x x x x x x x x x x x x x x	2x¹ 2x x x x x x x x x x x x x x x x x x	2x' 2x x x x x x x x x x x x x x x x x x	2x' 2x x - x - No. Obs. Hean No. of Hours with 12375900 185428 66.719.004 2779 10F 132F 267F 273F 12245670 203648 58.7 9.257 3471 2.1 146.6 38.4 7992874 146936 52.9 8.976 2779 11:5 30.8	\$\frac{1}{2}\frac{1}\frac{1}{2}\f	\$\frac{1}{2375900}\$ \frac{185428}{185428}\$ \frac{66.7}{5.93}\$ \frac{7}{2.904}\$ \frac{2779}{2779}\$ \frac{10.7}{210.7}\$ \frac{10.7}{2.1}\$ \frac{146.6}{166.6}\$ \frac{38.4}{38.4}\$ \frac{6.9}{6.97}\$ \frac{7}{2976.7}\$ \frac{20.6}{2.79}\$ \frac{11.5}{2.79}\$ \frac{30.8}{2.79}\$ \frac{11.5}{2.79}\$ \frac{30.8}{2.98}\$ \frac{11.5}{2.79}\$ \frac{30.8}{2.79}\$ \frac{30.8}{2.79}\$ \frac{11.5}{2.79}\$ \frac{30.8}{2.79}\$ \frac{30.8}{2.79}\$ \frac{30.8}{2.79}\$ \frac{11.5}{2.79}\$ \frac{30.8}{2.79}\$ 30.8	\$\frac{1}{2}\frac{1}{2

USAFETAC FORM O-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

(F) 70/ 69 66/ 65 1.6

GLOBAL CLIMATOLORY BPANCH

AIR WEATHER SERVICE/MAC

USAFETAC

## PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MI) 0600=0800 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.S. Dry Bulb Wer Bulb Dew Point . 8 62/ 61 60/ 59 58/ 57 6 . 4 54/ 53 2.4 6 23 50/ 49 17 2.8 1.2 22 2.0 48/ 47 46/ 45 .8 3.3 2.0 10 44/ 43 17 42/ 41 4 1.6 2.0 21 24 8 4.1 18 16 40/ 39 38/ 37 31 4.1 3.7 25 28 23 36/ 35 14 34/ 33 2.8 13 2.0 16 32/ 31 18 23 30/ 29 1.2 1.2 10 18 28/ 27 19 17 26/ 25 24/ 16 22/ 21 10 18/ 17 2 14/ 13 2 10/ 6/ Element (X) Rel. Hum. ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 10 F ≤ 32 F Dry Bulb Wet Bulb

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### PSYCHROMETRIC SUMMARY

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93744 MARTIN MARIETTA AIRFIELD MD
STATION NAME NOV 70-78 0600-0800 HOURS (L. S. T.) PAGE 2 Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL a 31 D.S./W.S. Dry Bulb Wet Bulb Dew Paint 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 331 TOTAL 5.738.236.613.8 4.5 246 • 8 246 246 No. Obs. Mean No. of Hours with Temperature Element (X) ≥ 67 F ≥ 73 F ≥ 80 F Rel. Hum. 1461195 ≤ 32 F ≥ 93 F 18635 75.814.222 246 2 0 F 14259 9745 43.1 9.679 39.6 9.929 10.6 22.7 90 645173 Dry Bulb 331

24c

240

ARE THIS FORM EDITIONS OF PREVIOUS ₹ ಠ 0-26-3

 $f_i^{-}$ 

Wet Bulb

Dew Point

410189

340086

866J

GLUBAL CLIMATULURY BRANCH USAFFTAC AIR MEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

NOV MARTIN MARIETTA AIRFIELD MO 70-78 0900-1100 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | × 31 | D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 76/ 75 . 2 74/ 73 72/ 71 . 3 5 • 2 70/ 69 68/ 67 . 3 • 3 , 2 .3 12 17 66/ 65 64/ 63 13 7 . 2 • 3 62/ 61 16 . 3 35 21 60/ 59 1.5 32 18 19 58/ 57 37 30 . 8 56/ 55 2.3 1.1 38 42 16 14 29 39 30 15 52/ 51 1.6 48 45 1.8 34 . 6 . 6 16 21 50/ 49 44 46 37 48/ 47 1.5 43 46/ 45 46 54 2.4 44/ 43 2.7 50 56 33 23 50 54 40 2.1 53 31 40/ 39 1.0 2.7 2.1 54 38/ 37 35 -2 1.8 43 28 36/ 35 1.1 1.0 55 1.6 23 30 34/ 33 14 46 . 8 17 47 32/ 31 . 2 1.0 12 33 53 30/ . 3 28/ 27 2 49 23 24/ 23 26 20/ 19 14 11 18/ 17 16/ 15 12/ 11 Element (X) ZXI Mean No. of Hours with Temperature ≤ 32 F ≥ 67 F = 73 F = 80 F = 93 F Rei. Hum. 10 F

AC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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Dry Bulb Wet Bulb Dew Point

### **PSYCHROMETRIC SUMMARY**

MARTIN MARIETTA AIRFIELD MID NOV YEARS 0900-1100 HOURS (L. S. T.) PAGE 2 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 8/ 3.516.127.422.118.1 5.9 2.9 1.0 699 TOTAL 620 620 620 No. Obs. Element (X) Mean No. of Hours with Temperature ≤ 32 F Rel. Hum. 66.317.219 ± 0 F ≥ 67 F ≥ 73 F 2906996 41092 ≥ 93 F 624 Dry Bulb 48.2 y.545 43.2 y.495 3.5 9.7 1689387 33711 40 694 Wet Bulb 1214782 26876 90 62 J Dew Point 38.9 90 36.812.105 931510 22032

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE FORM 0-26-3 (OL A)

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## **PSYCHROMETRIC SUMMARY**

93744 MARTIN MARIETTA AIRFIELD MD 70=78 NOV
STATION STATION NAME

PAGE 1 1200=1400
HOURS (L. S. T.)

Temp.								TEMPER										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	a 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
82/ 81								. 2										1	1		
80/ 79						5				į								3	3		1
78/ 77					.3	• 2		.2	• 2									5	5		
76/ 75					2	2	. 3		•-	1								6	6		1
74/ 73				. 3	.2	• 3									<u> </u>			7	7		
72/ 71		·	. 2	. 2	1.	2	.2		.2	)	Ì				ì		1	6	8		
70/ 69				.5	•2	,3		, 5		.3						T		11	12	7	
68/ 67			اذ. ا	.3	2	. 3	.7	•	,2	.3								14	16	5	1
66/ 65		• 2	. 3	• 2		.7	,7	.2						1			1	14	20	3	5
64/ 63		.5	3	. 2	1.2	. 2	•	3	•-	1						ļ		16	17	12	5
62/ 61		1.2	.7	1.0	1.5	1.0	.7	. 2	.3									39	43		9
60/ 59	2	1.0		7	8	1.0		. 2 . 5		L					l			36	45	15	
58/ 57		. 8	.5	• 5	• 3	1.2	1.8	.2	,2									33	38	22	
56/ 55	.7		2.2	1.2	1.2	1.3	3	2										50	52	29	
54/ 53	. 2	1.3	.8	1.7	2.2	1.7	1.0										]	53	56	33	
52/ 51	. 3	.3	. 5	1.8	8	1.2	8			L								36	46	36	19
50/ 49	. 5	. 2	.7	.7	.7	1.7	.5											29	36	41	
48/ 47	. 2		. 3	1.3	4.1	1.3						İ			!		.]	45	47	41	25
46/ 45		.3	1.2	3,0	2.6	. 8	,2											49	58	53	25 27
44/ 43		. 5	1.2	2.6	2.5	1.0												46	49	24	17
42/ 41	. 2	.5	1.0	2.2	.7	• 3					Ĭ							29	35	38	20
40/ 39	2		.7	1.5	2.0	<u> </u>	<u> </u>	<u> </u>	<u> </u>			Ì		<u> </u>		<u> </u>	<u> </u>	31	36	72	28
38/ 37		.3	. 2	1.5	,7													16	19	53	37
36/ 35	. 2	. 8	. 2	1.0	2			<u> </u>		<u> </u>	<u> </u>				i			14	16	37	42
34/ 33		1.0		. 8			ĺ	1						1				11	14	26	
32/ 31				2						<u></u>			l <u></u>				1	1	2	26	54
30/ 29									l	İ	l			1						12	43
28/ 27			L	.3	<u> </u>	<u> </u>	<u> </u>											2	- 2	3	39
26/ 25																	1				30
24/ 23			.2			L			<u> </u>				L				<u> </u>	1	1		18
22/ 21							Ì													2	20
20/ 19			<u> </u>		<u> </u>		L	<u></u>								<u> </u>				1	15
18/ 17																					14
16/ 15			<u> </u>			<u> </u>				<u> </u>			<u></u>	<u> </u>			<u></u>			L	4
Element (X)		Σχʻ		ļ	ZX		X	·,		No. O	18.							h Temperat	ure		
Rei. Hum.								<u> </u>				≤ 0	F :	≤ 32 F	≥ 67	F	≥ 73 F	≥ 80 F	* 93	F	Total
Dry Bulb								<u> </u>										<u> </u>			
Wet Bulb						_											<i></i>				
Dew Point																					

AC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

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#### **PSYCHROMETRIC SUMMARY**

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93744 STATION MARTIN MARTETTA AIRFIELD MD NOV 70-78 STATION NAME 1200-1400 HOURS (L. S. T.) PAGE 2 Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 + 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 14/ 13 10/ 5 6/ 2/ 2.511.311.123.522.415.2 9.3 3.0 1.2 690 604 TOTAL 604 Element (X) ZX No. Obs. Mean No. of Hours with Temperature 504 Rel. Hum. 2327366 35952 59.517.652 ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Dry Bulb 1933599 52.010.096 45.3 9.396 90 35857 690 7.6 1294398 Wet Bulb 27380 90 624 6.3 1.8

36.5

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Dew Point

934188

22594

37.412.149

## **PSYCHROMETRIC SUMMARY**

MARTIN MARIETTA AIRFIELD MO

PAGE 1

Temp.				***************************************		WET	BULB '	TEMPER	ATURE	DEPRE	SSION	F)				***************************************		TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28	29 - 3	0 * 31	D.B./W.B.	Dry Bulb		Dew Po
82/ 61						• 2			.2							1	1	2	2	<del>                                     </del>	
60/ 79						.2					. 2							2	2		
78/ 77									.2							1	1	1	1		
76/ 75								. 4	-4									4	5		İ
74/ 73				.4	• 2		.4	.2										7	10	<del>                                     </del>	
72/ 71				. 2	-	.4	•	4										6	7		
70/ 69						• 2	.4		. 2	• 2	• 2							6	7	1	
68/ 67				. 2			4	. 2		. 2	2							6	8		
66/ 65		. 4	• 4	. 2		6.	.8											13	23	2	1
64/ 63		. 8	2	2	- 4	94		.6										13	20		
62/ 61		.6	. 2	1.2	,4	1.0	.6	.6	.4									25	30	12	
50/ 59	. 2	2	8	.4	-4	<u>•6</u>	8.	1.0										24	33	9	
58/ 57	• 0	.6	1.2	• 6	.4	1.6	1.0	.2	]							1		31	44		
56/ 55	4	6	1.5	1.6	1.0	1.2	6		<u> </u>	ļ	<u> </u>						$\bot$	35	39		1
54/ 53		1.8	2.0	1.0	2.0		1.4											46	52		
2/ 51		- 4	6	1.4	1.8		1.0		ļ							<u> </u>	<del>-</del>	32	42		
0/ 49		. 8	• 8	. 6	1.2		,6											34	41		1.
8/ 47		1.2	8	102	3.4	108			<u></u>								+	42	51	43	3
6/ 45		,	1.2		3.2	• 8	• 2										i	40	50		20
4/ 43		6		3.4	2.0	-6	- 6				ļ						+	41	51	25	1.5
0/ 39	• 2	اد	•6 •2	2.2	1.2	• 6												24	31		
8/ 37	-2	- 2		.8					<del> </del>							<del> </del>		20	25 17		2
6/ 35	. 4	.4	1.0	1.6	. 4													12	18		
4/ 33	4	. 6		.4													+	12	18		
2/ 31	• `	. 2	2	• '														2	3		3
0/ 29																<del> </del>	<del> </del>			14	2
8/ 27			. 4	2														3	3	2	4
6/ 25																					4
4/ 23																		l i		2	2
2/ 21																				ī	10
20/ 19									L												
8/ 17	ļ																1				'
6/ 15		لــبـــ									<u> </u>						<u> </u>				
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el. Hum.		·										± 0 1	-	32 F	≥ 67	F	≥ 73 F	≥ 80 F	<b>≥ 93</b>	F	Total
Pry Bulb													+					ļ			
Wet Bulb Dew Point							·											<b></b>			
W POINT				L				L													

ARE OBSOLETE FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM JUN 71

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### **PSYCHROMETRIC SUMMARY**

93744 MARTIN MARTETTA AIRFIELD MD
STATION NAME NOV 70-78 1500-1700 HOURS (L. S. Y.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 ≥ 31 D.B./W.B. Dry Bulb Wer Bulb Dew Feint (F) 14/ 13 12/ 11 3 ī 2/ 9.614.022.219.615.0 8.8 3.6 2.2 533 499 TOTAL 499 499 4 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE ₹ 0 0-26-3 S. Z. Element (X) •1 No. Obs. Mean Na. of Hours with Temperature USAFETAC 1905717 499 Rel. Hum. 29464 59.120.224 ≤ 0 F ≤ 32 F ≥ 67 F × 73 F × 80 F × 93 F 1737264 51.4 9.974 44.5 6.947 36.311.677 633 499 90 32556 6.0 90 90 Wet Bulb 1029323 726981 22209 7.8 , ý Dew Peint 18135 409

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SLOBAL CLIMATOLOGY BRANCH USAFFTAC AIR MEATHER SERVICE/MAC 93744 MARTIN MARIETTA AIRFIELD MOT

### PSYCHROMETRIC SUMMARY

PAGE 1

1800-2000 HOURS (L. S. T.

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point .3 74/ 73 . 3 72/ 71 70/ 69 .6 , 3 1 68/ 67 66/ 65 • 6 .6 5 64/ 63 62/ 61 . 3 . 3 . 3 9 2 60/ 59 58/ 57 1.2 1.2 , 3 15 29 18 54/ 53 1.6 1.2 18 31 Ó 18 29 50/ 49 1.6 20 29 • 3 15 48/ 47 اعمد 1.6 2.2 2.5 46/ 45 2,4 39 18 29 . 3 44/ 43 36 18 1.0 1.9 3.1 14 41 17 4.0 40/ 39 1.6 34 30 .6 2.8 3.7 38/ 37 23 27 22 14 29 36/ 35 18 .9 2.2 34/ 33 12 15 33 13 آعدا 32/ 31 8 22 30/ 29 .9 1.2 19 17 20 33 28/ 27 26/ 25 23 17 22/ 21 18/ 17

16/ 15 12/ 11 10/

Element (X)

Rel. Hym.

TOTAL

( !

EDITIONS

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64.3 5.482 47.5 9.754 Dry Bulb 1153706 23292 Wer Bulb 573276 41.3 8.869 13284 Dew Point 419930 11083

20697

3.713.074.278.618.6 7.1

1407265

Ne. Obs.

322

490

322

2.5 1.9

Mean No. of Hours with Temperature

24

€67 F × 73 F × 80 F × 93 F

≤ 32 F

15.4

3.9

490

90

90

90

MARTIN MARIETTA AIRFIELD MD

## **PSYCHROMETRIC SUMMARY**

NOV

STATION				\$1	ATION N	AME				-				YE	ARS				N:01	NTH
																	PAGE	1	2100	-230
Temp.						WEY	AUL B	EMPER	ATURE	DEPRE	SION	(F)			<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>		TOTAL		TOTAL	
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USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

3744 STATION	_ <u>~ ~</u>	RTIN	THE	<u>51</u>	ATION N	AME		114		70=	15			YE	ARS					NC MON	
																		PAGE	1	HOURS (L	. 5. T.)
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USAFETAC JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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Dew Point

## **PSYCHROMETRIC SUMMARY**

3744 STATION				•		- MC		<u> </u>						YEA				PAG	E 2		OV DNTH LL
																				HOURS (	L. S. T.)
Temp.				,	,			EMPER										TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24 25	- 26 2	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	
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Rel. Hum.		1107	4531		1668	97	64.0	17.5		25	14	10 F	± 32	F	≥ 67	F 2	73 F	≥ 80 F	× 93	F	Total
Dry Bulb		900	9679		1577	99	48.6	5.0	14	32	46		27	. 3	32	4	10.4		7		72
Wet Bulb			2948		1080		43.0	9.5	1.8	25				9	6.			,	1		72
Dew Point			2837		905	71	36.0	11.7	99	25			319								72

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### PSYCHROMETRIC SUMMARY

93

93744 MARTIN MARIETTA AIRFIELD MD
STATION NAME 70-78 DEC 0600=0800 Hours (L. s. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.S. Dry Bulb | Wet Bulb | Dew Point (F) 58/ 57 56/ 55 54/ 53 2 3 52/ 51 50/ 49 5 1.3 6 48/ 47 46/ 45 . 4 7 6 44/ 43 3.5 42/ 41 5 3.0 1.3 13 15 14 40/ 39 19 18 13 38/ 37 1.7 3.9 22 30 11 10 25 10 20 .4 1.3 7.0 34/ 33 23 32 21 10 3.9 15 32/ 31 22 15 1.7 3.0 15 30/ 29 13 19 26 4.8 1.3 28/ 27 16 26/ 25 1.3 3.9 17 13 12 16 24/ 23 18 6 22/ 21 10 12 3.0 14 23/ 19 15 18/ 17 10 14/ 13 7 12/ 11 10/ 2 7 8/ 5 61 4/ 2/ 1 0/ -2/ -3 -10/-11 TOTAL 9.6 1.7 316 12.638.746.5 230 Element (X) No. Obs. Mean No. of Hours with Temperature ≥ 80 F ≥ 93 F Rel. Hum. 230 ≥ 67 F ≥ 73 F 1340462 17150 74.616.410 5 0 F ≤ 32 F 34.2 8.982 32.1 8.891 26.91.904 Dry Bulb 10815 316 93 36.5 395553 7374 Wet Bulb 254518 230 49.3

230

64.7

ö **EDITIONS** PREVIOUS ₹ ₫ ó FORM JUN 71

**(** 

Dew Point

199345

6177

#### **PSYCHROMETRIC SUMMARY**

93744 STATION MARTIN MARIETTA AIRFIELD MD
STATION NAME 70-73 0900-1100 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point (F) 66/ 65 64/ 63 62/ 61 .2 ī 60/ 59 8 58/ 57 . 2 54/ 53 .3 . 2 8 68 50/ 49 . 5 16 17 . 3 48/ 47 22 53 18 15 14 46/ 45 1.5 2.4 48 20 44/ 43 48 55 34 3.0 53 42/ 41 3.0 1.3 51 42 40/ 39 <u>64</u> 73 39 34 36 21 35 38/ 37 3.0 76 3.5 3,7 53 36/ 35 4.6 62 69 60 34/ 33 2.5 47 2.2 2.0 44 63 32/ 31 35 50 .7 30/ 29 27 2.7 25 28/ 27 23 30 56 49 33 27 39 26/ 25 . 3 1.9 14 14 36 10 17 18 22/ 21 .3 1.5 9 26 21 18/ 17 10 . 2 16/ 15 14/ 13 10/ 9 8/ 6/ 2/ Element (X) Mean No. of Hours with Temperature 5 0 F ≤ 32 F ≥ 67 F ≥ 73 F + 93 F Total Dry Bulb

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SAFETAC FOR

Wet Bulb Dew Point

## **PSYCHROMETRIC SUMMARY**

93744 STATION	<u>M A</u>	RTIN	MAR	TETT	A AI	RFIE AME	LD M	<u>r</u>		70-	78		<del></del>	Y	EARS.		**********	<del> </del>		D Mo	EC NTH
																			2	0900 HOUPS	-1100
Temp.		·		1						DEPRI			,			<del>-</del>	,	TOTAL		TOTAL	,
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12		15 - 16	17 - 18	19 - 20	21 - 22	23 - 3	24 25 - 26	27 - 28	29 - 30	2 31	D.S./W.B.			
TOTAL	9.1	24.6	31.0	25.6	6.4	2.5	.7					ļ						593	658	593	593
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Element (X)		2×,	L		z <sub>X</sub>		I X		<u> </u>	No. Ol	<u> </u>		<u> </u>		Mean	No. of H	ours wil	h Tempera	ture.		
Rel. H im.			6445			35		7.0			93	≤ 0	F	≤ 32 F	≥ 67		23 F	≥ 8∪ F	≥ 93	F	Total
Dry Buib		99	2646	1	250	56	38.1	8.2	33		58		1	21.5			· · · · ·	† <del></del>	1		93
Wet Bulb			3873		204	81	34.5	7.8	52		93			36.5				<del> </del>	1		93
Dew Point			3782		168	10	28.3	0.6	59		93		.2	61.6	<u> </u>				<del>                                     </del>		93

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

93744 STATION		<u> </u>	11-15	81	TATION H	RFIE	<u> </u>			70-	10			YEA	RS					MO	EC NTH
																		PAGE	1	1200	-14
Temp.									RATURE									TOTAL		TOTAL	
<b>(F)</b>	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	<b>2 31</b>	D.B./W.B.	Dry Bulb	Wet Bulb	Dew
70/ 69 68/ 67				• 2														1	3		]
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36/ 35	.7	. 2	1.2	3.6	1.2													30 30	31 34	61	
32/ 31	2		1.8	1.2														18	24 12	52 26	
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Element (X)		ΣX,			ž X		X	•,	$\Box$	No. Ob	8.							Temperat			
Rel. Hum.						_						± 0 F	=	32 F	2 67	F è	73 F	≥ 80 F	* 73	<u> </u>	forel
Dry Bulb			}										<del></del>						+		
Wet Bulb Dew Point																		ļ	<del> </del>		

## **PSYCHROMETRIC SUMMARY**

93744 STATION	_ MA	RTIN	MAR	IETT	AAI	RFIE	LD M	<u>r</u>		70-	78				EARS						EC
PINIT				,	141108	IAME.								YI	LARĐ			PAG	E 2	1200	
						we 1	BULB	TEMPE	ATUR		ECCION	/E\						70741	·		
Temp. (F)	0	1 - 2	3.4	5.4	7 . 8	9.10	11 - 12	13 . 14	15 . 16	17 . 16	19 . 20	21 - 22	23 . 2	4 25 . 26	27 . 28	29 - 30	2 31	TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Daw Pain
2/ 1													-			27 - 40			.,,		1
O/ -1	ĉ.7	12.7	19.1	30.4	18.0	6.4	3.0	1.1		<del> </del>	<del> </del>	<u> </u>	<del>                                     </del>						644		560
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Element (X)		ZX'			ZX		X	•,		No. O					Mean N	o. of H	ours wit	h Tempero	ture		
Rel. Hum.		240	0047		350	67	62,6	19.1	11		لنه	± 0		≤ 32 F	≥ 67	F 2	73 F	> 80 F	≥ 93 1	<u>'                                    </u>	Total
Dry Bulb			1038		269	28	41.8	b.3	73		44			11.8		6		ļ			93
Wet Bulb			2462		207	19	37.0 29.2	8.0	22		_ ںم			26.4					-		93
Dew Point		54	6006	1	_163	30	29.2	11.1	75	5	60		. 2	59.3	1	- [		1			93

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

\$477 54321

#### **PSYCHROMETRIC SUMMARY**

MARTIN MARIETTA AIRFIELD MIT 1500-1700 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 · 2 3 · 4 5 · 6 7 · 8 9 · 10 11 · 12 13 · 14 15 · 16 17 · 18 19 · 20 21 · 22 23 · 24 25 · 26 27 · 28 29 · 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point 70/ 69 , 2 2 68/ 67 . 2 66/ 65 64/ 63 . 2 62/ 61 10 28 58/ 57 5 56/ 55 54/ 53 25 .4 1.1 52/ 51 20 22 50/ 49 24 32 19 6 29 48/ 47 37 1.1 46/ 45 2.6 . 2 2.9 3.1 52 65 24 44/ 43 65 30 20 29 2.2 2.9 1.1 42/ 41 1.3 . 2 38 52 36 40/ 39 59 47 39 12 38/ 37 48 55 36/ 30 39 34 22 34/ 33 26 20 32 23 27 32/ 31 22 41 30/ 29 10 27 28/ 27 17 31 26/ 25 1.8 11 9 36 16 39 24/ 23 22/ 21 21 10 18/ 17 16/ 15 14/ 13 15 10/ 8 B/ 3 6/ ZX2 • Mean No. of Hours with Temperature Rel Hum. ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F ± 0 F ± 32 F Dry Bulb

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

AFETAC FORM

Wat Bulb

## PSYCHROMETRIC SUMMARY

93744	MA	R	IN	Ш	1AR	IE	TT	A.	AI	RF	1E	LD	M	0				-	70-	78	<u> </u>															EC	
STATION							51	TATI	ON N	AME																Y	EAR	5							N	ONTH	
																																PA	GE	2	150	)=1	700
		_																																	HOURS	(L. 5	. T.)
Temp.											WET	BU	LB	TEM	PE	RAT	TURE	E D	EPR	ESS	ION (	(F)		_								TOTA	AL.		TOTA		
(F)	0	1	· 2	3	- 4	5	. 6	7	. 8	9.	10	11	. 12	13	- 14	15	- 16	17	- 18	19	- 20	21	- 22	23 -	- 24	25 - 26	27	- 28	29 .	30	* 31	D.B./W	/.B. [	Dry Bull	Wet Bu	b De	w Poi
TOTAL	7 7	11 7	7	10	2 0	a n	0	1 4	1	7	- 0	2	7	1	-				2	1							1			7			$\neg$	507			. 54

Temp.						WET	BULB	TEMPER	RATURE	DEPRE	SSION	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 . 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poin
TOTAL	7.3	13.7	72.0	30.8	14.3	7.0	3.7	,9		.2									593		454
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Element (X)		ZX²			ZX		X	<b>7</b> ,		No. Ob	8.				Mean I	lo. of H	ours wit	h Temperat	ure		
Rel. Hum.		195	5723		284	97	52.8	9.2	01		54	= 0		≤ 32 F	≥ 67	F	73 F	≥ 80 F	≥ 93 1	F	Total
Dry Bulb		109	9957	Ĺ	250	05	42.2	8.7	74	5	93			12.4		. 8					93
Wet Bulb		66	9019	Ĺ	169	93	37.4	3.5	32		54			27.4							93 93
Dew Point		46	1951		134	29	29.6	11.8	61	4	54			56.7				L	1		93

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Element (X)	Z X2	ZX	X	<b>7</b> ,	No. Obs.			Mean No.	of Hours wit	Temperati	110	
Rei. Hum.	1955723	28497	62.8	9.201	454	± 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Buth	1099957	25005	42.2	8.774	593		12.4	. 8				93
Wet Bulb	669019	16993	37.4	å.532	454		27.4					93
Dew Point	460951	13429	29.6	1.861	454		56.7					93

USAFETAC FORM O - 26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

93744 MARTIN MARTETTA AIRFIELD MD

## **PSYCHROMETRIC SUMMARY**

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Temp.							BUL8											TOTAL			TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	2/ - 28	29 - 30	> 31	D.B./W.B.	Dry Bu	b W	et Bulb	Dew Point
72/ 71							Ī													1		
70/ 69				[			1	[		1	ĺ	1 1		[	[		ĺ			1	1	l
66/ 65						-														i		
64/ 63				l		_ ,3						_						1		2	ļ	
62/ 61	. 3	.3	• 3															3		3	2	1
60/ 59		.3	• 3	l			J		<u> </u>		<u></u>	<u></u>					ļ	2	l	4		1
58/ 57		. 6																2		2	2	1
56/ 55	د و		• 3			• 3								<u></u>				3		3	5	2
54/ 53		İ	1.0								1							3		4	1	2
52/ 51	3				3	-		.3		<u> </u>	L	ļļ						4	1	6	2	1
50/ 49		1.3		. 3		• 3	.3			}	1	) ]		]	]		1	7	1	7	- 6	1
48/ 47	6		1.0		تعد	. 3	ļ		<u> </u>	ļ	<b>└</b>	<del>                                     </del>			ļ		ļ <u>.</u>	18	2	7	6	11
46/ 45		1.9			3.2	. 3	, 3	i			İ				j			29	3		4	3
44/ 43	2.0			2.3	6		<b> </b>	ļ	ļ		ļ	<b>  </b>					ļ	29	3		25	15
42/ 41	. 3				. 3		İ					1						26	4		15	4
40/ 39	1.9	_		3.9	6			ļ			ļ							47	7		25	16
38/ 37	• 3	1.0			• 6		1				İ							13	2		42	12
36/ 35		-6	1.0		-6		ļ <u>.</u>		ļ		<del> </del>	1					ļ	13	3		34	12
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Element (X)		ZX2			Z X		X	•4		No. O	08				Mean I	io. of H	ours wit	h Tempera	iure			
Rei. Hum.												± 0 ₱		≤ 32 F	≥ 67	F .	73 F	≥ 80 F	29	3 F		Total
Dry Bulb																					$\perp$	
Wet Bulb																						
Dew Point											-											

70-78

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## **PSYCHROMETRIC SUMMARY**

93744 STATION	<u>MA</u>	RTIN	MAR	IETI	A AL	AME	LD M	<u>,n</u>		70-	78			YE	ARS .					<u>D</u>	EC.
																	P	AGE	5	1800	-200
Temp.										E DEPR							TO			TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12			6 17 - 18	19 - 20	21 - 22 2	3 - 24 25	- 26	27 - 28 29	- 30 z	31 D.B.	W.B. D		Wet Bulb	
TOTAL	6,8	18.0	42.8	72.5	7.4	1.6	.6	.3			 						3	111	484	311	31
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Element (X)		Z X'			z X	$\Box$	X	<b>7</b> <sub>k</sub>		No. Ol					Mean No.						
Rei. Hum. Dry Bulb		150	R362	<b></b>	210	58	67.7	6.1	80		11	± 0 F	≤ 37		≥ 67 F	≥ 73	F > 1	10 F	≥ 93 F	<u> </u>	Total
Wet Bulb			7430 3376		186		38.6 34.5				84 11			• 7	6	+					
Dew Point			3463		87		28.0	903	70		11		20	•6 8		+-					

MARTIN MARIETTA AIRFIELD MD 70-78

## **PSYCHROMETRIC SUMMARY**

DEC

STATION				5	TATION N	AME								YE	ARS					MOI	HTH
																		PAGI	E 1	2100°	-230 L. s. T.
Temp.						WE'	BULB	TEMPER	ATUR	E DEPRE	SSION	(F)						TOTAL		TOTAL	
(F)	0	11-2	3 - 4	5 - 6	7 - 8					6 17 - 18			23 . 24	25 . 26	27 . 28	9 . 30	* 31	D.B./W.B.	Dev Bulb		Dew P
64/ 63	<u> </u>	+	+	<del></del>	<del>                                     </del>	, ,,,	<del>                                     </del>	1.0	1,0 - 1,0				1	1				<del> </del>	1		
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56/ 55		.5	. 5				<del> </del>	<del> </del>				<del> </del>	<del> </del>	<del> </del>				5	2	2	
54/ 53				}	}		1	1	}			1	}						2	2	
52/ 51		1.0			<b></b>		<del></del> -	<del> </del>				<del> </del>	<del> </del>	<del> </del>	<del> </del>			3	10	1	
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48/ 47				5		1.0	4					<del> </del>	ļ	<del> </del>	ļ			5		1	
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42/ 41	1.0			1.0	1			1		1 1		1	1		1 1	İ		12	21	6	
40/ 39	_1.0			2.4	<u> </u>		ļ					<u> </u>	<u> </u>					28	41	15	
38/ 37		3.8	2.4	1.9			1	1		1		1	1		li			17	32	19	
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32/ 31		2.4	4.3	1.4			1	<u> </u>				1		Ĺ				17	34	17	
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28/ 27		4.8	2.4	5		Ì		ļ					[					16	23	15	
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24/ 23		2.9	1.9				ĺ	1		1 1		ĺ	İ	1		1		10	14	7	
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Element (X)		E X 2			ZX		X	•*		No. Ob								h Tempera			
Rel. Hum.			4004		149		71.7	15.4	20		09	= 0		≤ 32 F	≥ 67 1	:   :	73 F	- 80 F	≥ 93 1	F	Tatal
Dry Bulb			8846		142			8.8			94			30.4				ļ			
Wat Bulb			6874	<u> </u>	68			8.5			09			47,2							
Dew Point		17	7562		56	26	26.9	11.2	06	2	09			63.6	L			<u> </u>			

USAFETAC JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## **PSYCHROMETRIC SUMMARY**

STATION	. 115.	IN.I.A.IY	MAR	\$1	FATION N	AME	M.M			70=	<i>.</i> B			YEARS			PAGI		MO	EC NTH LL
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Temp.											SSION (				J		TOTAL	<u> 11  </u>	TOTAL	T
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8/ 67				- 8.0									-	<del></del>	+			2		<del>                                     </del>
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2/61	(بو	2					2										15	19	2	ļ
0/ 59	. 1	.3	• 1	.0		• 1											12	15	6	
6/ 57	بغ م	6			100	• }	-0							<del></del>			33	37	17	
6/ 55 4/ 53	• 1	• 1	,3	.2	.2		• 1	•0									28	32 57	20	1
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0/ 49	. 4	9		9		5	.3	• •				1	1				87	119	55	
8/ 47	.6						-								1		129	164	61	<del>                                     </del>
6/ 45	1.1	2.1	1.2	1.6	2.0	. 5	0	<u> </u>	ļ								201	250	85	<u> </u>
4/ 43	1.4	1.7	1.7	2.3	1.5	.3	.0										211	271	147	
2/41	6	2.0		2.4	lel	-2	0	<u> </u>							<u>-</u>		201	251	134	-
0/ 39	1.2	2.4	2.8	3.1	1.2	• 3	•0					i			1		259	334	217	1
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6/ 35 4/ 33	• 5	1.3	2.3	2.5	.8							ļ					166	227	183	
2/ 31		1.1		1.5		<u> </u>										<del></del>	119	174	212	
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8/ 27	,3		1.9	.5													100	126	135	1
6/ 25	0	.3	2.1	. 4	<u> </u>	ļ									<u> </u>		67	87	116	1
4/ 23		.8				ļ	ļ	ļ				ļ					41	55	83	
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USAFETAC FORM ARE OBSOLETE JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

93744 MARTIN MARIETTA AIRFIELD MD

## **PSYCHROMETRIC SUMMARY**

DEC

STATION	. 115	****	11-111	· · · · · · · · · · · · · · · · · · ·	TATION N	AME	7.0			~_				YE	ARS					MO	NTH
				_														PAG	E 2	HOURS	
Temp.		<del></del>				WET	BULB	EMPER	ATURI	DEPRE	SSION	(F)						TOTAL		TOTAL	-
(F)	0	1 - 2	3 - 4	5 - 6	7.8	9 - 10	11 - 12	13 - 14	15 . 16	17 - 18	19 . 20	21 . 22	23 . 24	25 . 26	27 - 28 2	29 . 30	a 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
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Element (X)		Zx2			ZX		X	•,	T	No. Ol	6.				Mean N	o. of H	ours wit	h Tempera	ture	بيورون والمراجعين	
Rel. Hum.			5043			03		10.1	54	23	57	± 0 ₽		32 F	≥ 67	F 2	73 F	≥ 80 F	* 93	F	Total
Dry Bulb		497	1470		1579 1207	78	39.1	A 9	82	30	RU			3.5				1	1-		74
Wet Bulb		310	0122	<del>                                     </del>	831	16	35.3	3 4	74	23			29	8.7		-		<del> </del> -			74
Dew Point					670	<del>+</del>	28.5	11.3	'	23	41	2			<del></del>			+	_		74
242 10101		661	0109	1	010	III	2.22	فعلة	$v \iota \iota$	23	2/		21.95	36.1	<u></u>						

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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## **PSYCHROMETRIC SUMMARY**

STATION				•	K HOLTA'	ME								16	ARS						NYH
																		PAG	E 1	HOURS	L. S. T.
Temp.									ATURE									TOTAL		TOTAL	
(F)	0	1.2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22		25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dow P
0/ 99													.0	}		1		1	1		
8/ 97									-0		-0	-0						4		<u> </u>	<u> </u>
6/ 95						_	.0	.0	•0	.0			•0			}		21	24	1	
4/ 93					0	يو	Q	-0	-0		-0					ļ		54	62		
2/ 91 0/ 89				_	•0	•0	.0	.1	•1	.0		•0	^				1	99	120		
8/ 87				0	<u></u> 0	•2	.3	.2		-1	-+	-1	0.0	<del></del>		<del> </del>	<del> </del>	342	265 415		<del> </del>
6/ 85			• 0	.0 1	- 2	.5	.3	.3	.1	i	.1	00	.0	.0				606	731	2	1
4/ 83		•0	.0	.2	- 4	.5	.5	.4	.2	. 1	•1	0	.0	•0		<del> </del>		764	970	21	
2/ 81		.0	1	. 5	8	7	7	3	.3	2	1	ě	.0	.0		1	l	1054	1279	48	1
0/ 79		• 0	. 2	.7	.7	9		.5	.3	,1	• 1	0	.0			<del>                                     </del>	<del>                                     </del>	1184	1467	151	
8/ 77	.0	. 1	. 4	.7	9	4	. 5	3	.3	. 2	i	.0	Ŏ					1114	1430	327	9
6/ 75		. 3	. 5	. 8	. 5	.6	.4	.4	.3	.1	.0	.0	.0	•0				1195	1540	792	22
4/ 73	ب م		6	8	- 4	6	4	3	2		.0	Ö	C					1156	1429	1183	44
2/ 71	.1	. 6	•6	. 5	• 7	. 6	.4	. 3	.2	.1	•0	•0	•0					1161	1436	1189	97
0/ 69	2	5	. 8	5	. 6	5	. 3	3	-2	1	٥٠	٥٠						1218	1470	1506	113
8/ 67	• 0	.3	. 5	. 6	.4	. 5	. 3	.2	. 1	.1	•0	•0						958	1191	1303	110
6/ 65		7	6	6	5		-4	2	2	1	0	امد				<u> </u>	<u> </u>	1103	1359	1329	114
4/ 63	• 1	. 5	.6	.5	. 5	. 5	. 3	. 2	• 2	.1	•0	•0						1007		1249	120
2/61		- 5		- 4	5		1	-3		-0	-0			ļ		<del> </del>	<u> </u>	914	1125	1238	109
0/ 59	• 1	• 7	• 4	. 4	• 4	. 4	, 5	. 3	•1	•0	•0							756	<del>-</del> - · .	1166	104
6/ 57		•5	- 2	.5		5	- 5	- 2	-0	<u> </u>						<del> </del> -		862		1144	110
4/ 53	• 1		• 4	4	.4	•6		• 1	•0									907	1136	951	106
2/ 51	-2	.5	.4	.5	.5	• 5	.3	.1	-0	<b></b>					L	<del> </del>	$\vdash$	842		925 882	96
0/ 49	1	5	. 4	5	6	.5	.3	1	• 9							Į	}	867	1135	1016	83
8/ 47	.2	.5	.5	.6	.8	,5	, 1	.0	.0									95C		990	87
6/ 45	2	6	6	. 8	.8	-4	. 1	.0	•								}	1056	1305	1107	94
4/ 43	. 2	.6	.6	.7	. 8	.3	1									<u> </u>		959	,	1015	79
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0/ 39	.2	.7	. 8	. 9	.6	.1	.0											974	1262	1196	93
8/ 37	. 3	.6	. 7	9	. 4	.0											<u> </u>	882	1096	1130	61
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6/ 33		6	8	7	2	٥											<u> </u>	705		961	A
lement (X)		ΣX,			z X		X	<b>"</b> 1		No. Ob	•.							h Tempere			
el. Hum.					<del></del>							±01	<u>'</u>	32 F	≥ 67	F   3	73 F	> 80 F	» 93	F	Total
ry Bulb													$-\!$								
er Bulb																		<u></u>		l	

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USAFETAC JUN 77 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### PSYCHROMETRIC SUMMARY

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MARTIN MARIETTA AIRFIELD MD 70-79 ALL HOURS (L. S. T.) PAGE 2 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Buils Dew Point 619 932 1013 , 1 916 32/ 31 . 5 . 8 .7 30/ 29 553 762 769 1063 .5 . 8 28/ 27 498 990 .6 681 648 . 1 . 4 • 6 •0 .0 317 477 981 26/ 25 6,32 238 746 24/ 23 339 . 5 .1 443 . 2 331 192 726 306 20/ 19 .0 138 236 261 702 . 2 • 2 509 127 18/ .0 72 175 16/ 15 49 113 539 106 .0 . 1 • 1 370 51 54 14/ 13 .0 42 12/ 11 15 25 339 • 0 • 0 22 294 0 10/ 9 18 .0 13 7 3 12 207 8/ •0 154 73 6/ 3 3 4/ .0 70 33 0/ -1 29 -2/ -3 24 -4/ -5 16 -6/ -7 -8/ -9 -10/-11 -12/-13 -22/-23 -24/-25 -26/-27 TOTAL 29396 3.214.717.317.814.911.9 8.3 5.3 3.5 1.7 37811 • 0 9396 9396 ZX No. Obs. Element (X) Z X2 Mean No. of Hours with Temperature X Rel. Hum. 5 0 F ± 32 F ≥ 67 F ≥ 73 F ≥ 80 F 63.418.471 29396 128147517 1863387 914.58241.52287.41072.5 1341.71909.5 734.3 35.7 35.92705.81171.6 237.9 9.7 Dry Bulb 2160755 57.118.418 37811 8760 136305101

29396

29396

1504147

1309360

84608161

68483010

51.216.125 44.518.593

OBSOLFTE ₹ ₫ 0-26-3

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Wet Bulb

Dew Point

## **MEANS AND STANDARD DEVIATIONS**

#### DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

3744 MA	RTIN MA		ION NAME			70-7			YEARS				
	<del></del>	<del> </del>		<del></del>	<del></del> ,		,	,					
HRS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	ANNUAL
MEAN		'	42,5										42.
00-02" 5 D		' 1	•	1				i	1				
TOTAL OF	3	<del></del>											
MEAN	<u> </u>	<del>                                     </del>		71.0			76.0	70.3	66.0	53.7			66.
03-05 S D			1					5,252		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	:		11.37
TOTAL OF	5	+		1			2	4	1	3			1
MEAN	29.7	29.0	39.8	50.6	59.5	68.7	72.6	71.8	65.0	52.1	43.1	34.2	54+
06-08 S D		10.717			7.453			- T 1 1			_ ' :		17.28
TOTAL OF		1 1		338	483	476	487			359	331	316	516
MEAN	32.4	34.4	44.5		65.2	74.4	78.7	78.3	71.6	58.8	48.2	38.1	56.
09-11, 5 D		10.935		9.378	8.133	6.810		5.487				· N	18,43
TOTAL CE	729	673	643	421	635	624	627	738	708	736	697	658	809
MEAN	35.7	38.4	48.4	59.4	68.5	77.6	81.5	81.6	75.3	63.0	52.0	41.8	60.
12-14 5 D	9.411	11.371	9.370	10.062					7.440		10.096	8.373	18,40
TOTAL OF	5 716	649	636	616	626	618	616	720	497	721	690	644	794
MEAN	36.1	39.2	50.1	61.0	69.5	78.6	82.4	81.0	75.7	62.9	51.4	42.2	60•
15-17 5 D		11.648		10.034			6.217	5.236	6.970			8.774	18,42
TOTAL OF				572	538	516		642	597	630	633	593	708
MEAN	33,2	35.5	46,5	50.1	66.9	75.2	79.3	78.0	71.0	57.3	47,5	38.6	56.
18-20 5 D		10.973	8.978	7.430	8.377	6.347	5.882		6.973	7.934	9.754	8.635	15,15
TOTAL OF	5 524	491	447	454	452	435	437	519	510	541	490	484	578
MEAN	30.2	31.6	43.6	53.6	63.0	71.1	75.3	74.1	67.4	53.6	45.0	36.3	50.
21-23 S D		10.202				5.845		5,489			7,393		17.62
TOTAL OF				325	215		217			281	403	394	372
MEAN	33,3												57.
HOURS 5 D		11.540							8.070				18,41
TOTAL OF	S 3388	3157	2974	2927	2954	2882	2911	3477	3335	3471	3246	3089	3781

USAFETAC FORM 0 89 5 (OLI)

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### MEANS AND STANDARD DEVIATIONS

#### WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

3744	MAR	TIN MAI	RIETȚA	AIRFI	ELD MD		70-7	9						
STATION			STAT	ION NAME						YEARS				
IRS (LST)	I	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	ANNUAL
	MEAN		1		62.7			72.5	65.7	64.0	52.3			62.
03-05	S D	İ									ŀ			10.79
	TOTAL OBS				1			2	3	1	3			
	MEAN	26.5									* : 7	7 _ 7		51
80-00	S D	9.434	1	8,858								9,929		16,22
	TOTAL OBS	258	240	260	272	400	402	388	503	468	457	246	230	413
	MEAN	29.4	31.2	39.0	47.3	57.5	66.1	69.5	70.1	64.4	52.9	43.2	34.5	50.
09-11	S D	8.859	9.701	8.705	8.522	7.454				7.117	8.800	9,495	7.852	16,53
	TOTAL OBS	629	589	566	572	568	578	556	687		676	620	593	725
	MEAN	32.0	34.0	41.1	49.2	58.9	66.8	70.7	71.1	65.7	54.7	45,3	37.0	52
12-14	S D	8.654		8.326										15.8
	TOTAL OBS	604	549		556	550		539	660		645	604	560	699
		904	237		200			<i>y a ?</i>		742				
	MEAN	32.3	34.9	41.8	49.8	59.1			70.7		54.7		37.4	52 •
15-17	S D	8.470	9.170	7.886	7.864	6.798	6.294	5.241				8,947		15.61
	TOTAL OBS	477	456	445	463	402	385	388	306	471	482	499	454	542
	MEAN	30.8	33.4	39.9	48.3	58.1	66.9	69.8	69.3	63.9	52.2	41.3	34.5	50
18-20		8.457	8.933	7.850									8.490	15.84
	TOTAL OBS	315	282		305						365		311	373
	MEAN	29.3	31.4	37.8	46.0	56.3	66.1	68,8	67.6	62.0	50.3	38.8	32.6	45
21-23	1	8.729		7.678								8.770		15.98
	TOTAL OBS	197				93	93	8.6	144	141			209	182
	MEAN											<del></del>		
	5 D					•								
	TOTAL OBS													
	MEAN	30.4	32.6	39.8	48.1	57.7	66.3	69.8	69.8	64.2	52.9	43.0	35.3	51
ALL	S D	8.946				7.265		5.390				9.518	8.474	16.1
HOURS	TOTAL OBS	2480												2939

USAFETAC FORM 0 89 5 (OLI)

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## **MEANS AND STANDARD DEVIATIONS**

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93744 <sub>Stātion</sub>		RTIN HA		ION NAME	ELD MD		70-7	<del></del>		YEARS				
31411014			318	ION NAME										
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL.	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN		,		55.0			71.0	63.7	63.0	51.0			60.
03-05	S D		1		ę.	1		ĺ			ĺ.			11.08
	TOTAL OBS		·	ļ	1	· 	<b></b>	2	3	1	3			
	<del> </del>								1 2 1					
	MEAN	20.7			38.5									47
06-08													11.904	18.33
	TOTAL OBS	258	240	260	272	400	402	388	503	468	457	246	230	412
	MEAN	22.3	23.3	31.1	37.9	51.2	61.1	65.0	65.9	59.9	47.2	36.8	28.3	44.
(9-11	1												10.659	
( >-1.	TOTAL OBS													728
		4.2	797	797	7.14	-240		777		707	<u> </u>			
	MEAN	23.7	24.4	31.1	38.4	51.3	60.5	64.8	65.7	59,9	47.1	37.4	29.2	44.
12-14	S D	11.761	12.117	12.240	11.657	10.548	9.229	7.651	7.378	9,532	11,935	12.149	11.175	18.5
	TOTAL OBS	604										604		699
	MEAN	23.4											29.6	43
15-17						10.336		7.471						18.3
	TOTAL OBS	477	456	445	463	402	385	388	506	471	482	499	454	542
		30 0	3	30.6	20 4	E	49.4	64.6	64.8	59.5	47.2	34.4	28.0	44.
10 00	MEAN	23.0						6.987						18.22
18-50	TOTAL OBS	315				9.177						322		
		313	606	200	<u> </u>	290	670	270	202	371	367	35.00	344	373
	MEAN	21.4	24.1	29.9	38.1	51.4	62.6	65.2	64.7	59.0	46.8	32.6	26.9	40.
21-23	S D			11.234	9.963	8.442		6.522						18.41
	TOTAL OBS													182
	MEAN													
	S D				ı	! !		i !						
	TOTAL OBS			ļ	·	<del> </del>		ļ						
	MEAN	39 =	24 0	20 0	30 7		( ) .	44 0	AR - 4	<b>50 E</b>	47.0	24.0	20.5	4.4
ALL	MEAN	22.7						64.9	65.4				28.5	18,59
HOURS	S D					2299				7.000	2779	440177 4181	11.307 2357	2939
	. JIAL OBS		1 44 ( 3	4400	: £3£1	6677	2210	4431	2858	2100	6117	6717	(227)	672

USAFETAC FORM 0 89 5 (OLI)

### **RELATIVE HUMIDITY**

93744 STATION MARTIN MARIETTA AIRFIELD MD

71-79

JAN MONTH

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO OF OBS.
JAN	00-02				ļ <u> </u>		ļ					
	03-05		ļ							ļ		
-	06-08	100.0	99,2	98,8	98,4	88.8	76,4	57.8	36.4	17.4	73.1	258
	09-11	100.0	100.0	99,7	95.2	80.8	59,3	40.1	27.5	12.9	67.1	629
	12-14	100.0	100.0	99.0	90,1	71,7	47.5	28,6	17.5	8.9	61.9	604
	15-17	100.0	100.0	97,9	86,4	66,9	43.0	25,4	14.0	7.1	59.8	477
	18-20	100.0	100.0	99,4	92,4	78,1	56.2	31.7	17.5	7.6	63.9	315
	21-23	100.0	100.0	99.0	95,4	A5, ś	68.5	44.7	22.3	9.6	68.4	197
	<u> </u>											
10	TALS	100.0	99.9	99,0	93.0	78.6	58.5	38.1	22.5	10.6	65.7	2480

USAFETAC 0-87-5 (OL A)

#### **RELATIVE HUMIDITY**

93744 STATION

MARTIN MARIETTA AIRFIELD MB
STATION NAME

71-79

FEB

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	10% 20%	PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO OF	
MONTH	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OAS
FEB	00-02				<u> </u>		ļ		ļ			
	03-05											
	06-08	100.0	100.0	99,6	95.4	87.9	72.5	47.9	31.7	15.0	70.6	240
	09-11	100.0	99.8	98.0	91.5	74.4	53.0	32.6	20.0	10.2	63.6	589
	12-14	100.0	99.3	95.4	82.9	56.8	35.3	21.1	15.8	7.1	57.1	549
	15-17	100.0	98.9	94,3	76.1	50.0	33.1	21.5	15.1	8.8	55.3	450
	16-20	100.0	100.0	98,9	88.3	67.0	43.6	26.2	16.7	13.1	61.0	28
	2123	100.0	100.0	100.0	94.3	77.1	54.1	39.5	24.8	15.3	66.3	15
The state of the s												
τo	TALS	100.0	99.7	97.7	88.1	68.9	48.6	31.5	20.7	11.6	62.3	227

USAFETAC 0-87-5 (OL A)

## **RELATIVE HUMIDITY**

93744 STATION	MARTIN MAKIETTA AIRFIELD MD	71 = 78	,	MAR

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO OF
MONTH	((\$7)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
MAR	00-02											
	03-05	ļ									<u> </u>	
	06-08	100.0	100.0	100.0	97.7	86.9	70.4	50.0	33.8	18.8	71.4	260
	09-11	100.0	100.0	98,1	85,7	66,4	47.0	34.1	22.3	14.3	62.6	566
	12-14	100.0	99.6	89,4	71.1	49.0	32.1	22.4	16.0	11.1	54.7	539
	15-17	100.0	99.6	87.6	65.6	40.9	28.1	18.2	12.8	8.3	51.7	44!
. <del></del>	18-20	100.0	100.0	96.2	76.6	55.9	37.1	23.4	15.4	8.0	56.7	286
	21-23	100.0	100.0	100.0	89.4	65,9	47.1	32.4	21,2	12.4	62.5	170
												l 
to	TALS	100.0	99.9	95,2	81.0	60.8	43.6	30.1	20.3	12.2	59.9	226

USAFETAC FORM 0-87-5 (OL A)

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#### **RELATIVE HUMIDITY**

93744 STATION

MARTIN MARIETTA AIRFIELD MD

STATION NAME

71-78

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PERIOD

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#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIVE	E HUMIDITY G	REATER THAN			MEAN	TOTAL NO OF
HTMOM	(L S T)	10%	20%	30%	40%	50%	60%	70%	30%	90%	RELATIVE	OAS
APR	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0					57.0	
	06~08	100.0	100.0	99,3	94.1	75.7	52.2	34.9	21.0	8.5	64.2	272
	09-11	100.0	100.0	93,7	72.0	46.7	30.1	19.2	12.2	5.8	53.9	572
	12-14	99.8	99.6	84,5	56.8	34.7	23.4	16.9	11.7	5.6	49.0	556
	15-17	100.0	99,1	78,8	52,5	34.1	20.1	14.5	9.7	3.2	47.1	463
	18-20	100.0	100.0	90.7	67.2	45.4	25.8	15.2	8.6	4.3	51.5	302
	21-23	100.0	100.0	99,4	87.1	60.0	40.0	26,5	14.2	7.1	59.4	15!
	-											
τc	TALS	100.0	99.8	92,3	75.7	56.7	27.4	18.2	11.1	4.9	54.6	232

USAFETAC 0-87-5 (OL A)

## RELATIVE HUMIDITY

93744 STATION	MARTIN MARIETTA AIRFIELD MD STATION NAME	71 = 78	MAY
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# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY GI	REATER THAN			MEAN RELATIVE	TOTAL NO OF OBS.
MONTH	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	
YAM	00-02			-								
	03-05											
	06-08	100.0	100.0	99,5	97.3	89.3	74.0	58,8	36.0	18.3	72.8	400
	09-11	100.0	99.6	98,2	87.5	70.6	50.4	32.9	20,6	10.4	62.7	566
	12-14	100.0	99.1	93,1	76.5	56.7	37.8	24.5	14.0	7.8	56.9	550
	15-17	100.0	99.5	89,8	70.9	53.7	33,6	20.9	14.7	9.5	55.0	402
	18-20	100.0	100.0	96.5	87.1	68.2	46.9	26,2	18.2	9.4	60.9	286
-	21-23	100.0	100.0	100,0	96.8	92.5	66.7	44.1	33,3	10.8	69.5	93
τo	TALS	100.0	99.7	96,2	86.0	71.8	51.6	34.6	22.8	11.0	63.0	229

USAFETAC FORM 0-87-5 (OL A)

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### **RELATIVE HUMIDITY**

93744	MARTIN MARIETTA AIRFIELD MB	71-78	JÜN
STATION	STATION NAME	PERIOD	MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
HTMOM	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO OF OBS
JUN	00-02											-
	03-05											
	06-08	100.0	100.0	100.0	100.0	96.0	84.1	66.2	42.5	14.4	75.9	40
	09-11	100.0	100.0	99,7	93.3	78.5	58.3	41.2	20.9	7.6	65.4	57
	12-14	100.0	100.0	97.0	82.6	61.4	44.3	25.8	9,3	3.2	58.0	56
	15-17	100.0	99.7	95,8	81.0	58.7	39.5	19.7	7.8	2.6	56.3	38
	18-20	100.0	100.0	97,2	90.0	75.9	57.6	38,6	18,3	4.8	63.8	291
	21-23	100.0	100.0	98,9	96.8	93.5	79.6	62.4	41.9	14.0	74.0	9
	1											
10	Tals	100.0	100.0	98,1	90,6	77.3	60.6	42.3	23,5	7.8	65.6	231

### **RELATIVE HUMIDITY**

MARTIN MARIETTA AIRFIELD MD 93744 STATION

71-78

JUL

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MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIV	E HUMIDITY C	GREATER THAP	1		MEAN	TOTAL NO OF OBS
MUNIH	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	
JUL	00-02			ļ								
	03-05	100.0	100.0	100,0	100.0	100.0	100.0	100.0	100.0		84.5	
	06-08	100.0	100.0	100,0	100.0	98,7	87.9	65,5	43,3	10.6	76.1	386
	09-11	100.0	99.6	99,6	96.6	80.2	55.0	34,2	12.9	3.2	64.0	556
	12-14	100.0	100.0	99,6	88.1	64,9	41.2	20.2	4,3	.9	57.4	539
	15-17	100.0	100.0	98,2	85,1	61.3	37.4	18,6	4,4		56.3	386
	18-20	100.0	100.0	99,6	94.8	77,0	51.5	27.8	14.4	3.0	62.4	270
	21-23	100.0	100.0	100,0	98.9	96.6	78.4	53,4	25.0	9.1	72.0	81
10	TALS	100.0	99.9	99,6	94.8	82.7	64.8	45.7	29.2	3.8	67.5	223

USAFETAC 0-87-5 (OL A)

### **RELATIVE HUMIDITY**

93744

MARTIN MARIETTA AIRFIELD MD

70+78

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MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	SE FREQUENC	Y OF RELATIV	E HUMIDITY	REATER THAN			MEAN RELATIVE	TOTAL NO OF
MONTH	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS
AUG	00-02				<u> </u>							
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	66.7		82.0	3
	06-08	100.0	100.0	100,0	100.0	100.0	95.4	78.1	53.9	13.3	79.8	503
	09-11	100.0	100.0	100.0	99.0	88,4	65.2	42.5	16,4	2.3	66.8	687
	12-14	100.0	100.0	100.0	93.0	72.7	45,3	21.1	6,2	2.3	59.8	660
	15-17	100.0	100.0	99,2	90.9	69.0	39,9	19.6	7.5	2.4	58.5	506
	18-20	100.0	100.0	100.0	98.0	85.9	62.3	35,2	16.3	5.4	66.1	35
	21-23	100.0	100.0	100.0	100.0	97.2	93.1	71.5	36,1	0.0	76.5	144
	-			-				-				
10	TALS	100.0	100.0	99,9	97.3	87.6	71.6	52.6	29.0	5.0	69.9	285

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## **RELATIVE HUMIDITY**

STATION STATION NAME PERIOD MONTH	93 744 STATION	MARTIN MARIETTA AIRFIELD MD	70=78	SEP
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# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENTAC	SE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN	l		MEAN RELATIVE	TOTAL NO OF
MUNIH	(151)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	ONS
SEP	00-02				-							
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		90.0	
	06-08	100.0	100.0	100.0	99.8	99,4	95.5	82,1	61.3	17.7	81.4	46
	09-11	100.0	100.0	99,4	96.2	87.0	67.5	49.0	24.0	7.0	68.7	659
	12-14	100.0	100.0	98,6	88,6	74,2	50.2	26.7	11.4	4.2	60.9	62!
	15-17	100.0	100.0	98,1	86.6	68,4	41.0	21,4	8.1	2.3	58.2	47
	18-20	100.0	100.0	99,4	97.7	88.2	71.8	47.8	22.8	5.5	69.0	34
	21-23	100.0	100.0	100,0	99,3	97.2	90.1	73.0	45,4	12.1	77.4	14
	1											
CiT	TALS	100.0	100.0	99,4	95.5	87.8	73.7	57.1	39.0	7.0	72.2	270

## RELATIVE HUMIDITY

93744 STATION MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-78

PERIOD

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MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	1		PERCENTA	GE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN	l		MEAN RELATIVE	TOTAL NO OF
MONTH	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	ONS
OCT	00-02						_					
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	33.3	90.3	3
	06-08	100.0	100.0	100.0	99.8	95.6	89.7	77.2	56.5	26.9	80.3	457
	09-11	100.0	100.0	100.0	94.7	78.6	39.2	39.9	26.0	13.0	66.9	676
	12-14	100.0	100.0	97.8	79.2	57,8	42.3	25.7	16.7	8.5	58.5	645
	15-17	100.0	100.0	97.3	79.7	59.3	42.3	25,7	14.7	7.1	58.3	482
	18-20	100.0	100.0	98,6	96.7	88.8	72.9	50.4	25.6	7.9	70.0	365
	21-23	100.0	100.0	100.0	98.7	97,4	87.4	72.2	50.3	21.2	78.3	151
,												
10	TALS	100.0	100.0	99.1	92.7	82.5	70.5	55.9	41.5	16.8	71.8	2779

## RELATIVE HUMIDITY

93744	MARTIN MARIETTA AIRFIELD MO	70=78	NOV
STATION	STATION NAME	PERIOD	MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HCIURS	[ L		PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL NO OF OBS
MONIN	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	
NCV	00-02											
	03-05	ļ			\	<u> </u>		ļ				
	06-08	100.0	100.0	100.0	99,2	95.1	83.3	65.4	38,6	18.3	75.8	24
	09-11	100.0	100.0	99,7	96.1	79,7	55.6	40.2	22.7	12.7	66.3	62
	12-14	100.0	100.0	78,5	86.1	63.9	40.2	25.5	14.7	7.3	59.5	60
	15-17	100.0	99.8	97.2	85,2	63.3	39.9	25.3	14.8	7.4	59.1	49
<u>-</u>	18-20	100.0	100.0	99,7	95.7	80.1	55.0	32,6	15.5	6.2	64.3	32
	21-23	100.0	100.0	100,0	98.2	88.3	63.2	41.7	20.6	8.5	67.5	22
TO	TALS	100.0	100.0	99,2	93,4	78,4	56.2	38,5	21.2	10.1	65.4	251

## RELATIVE HUMIDITY

93744	MARTIN MARIETTA AIRFIELD MO	70 <b>+78</b>	DEC
STATION	STATION NAME	PERIOD	MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY GI	REATER THAN			MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
MONTH		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02				ļ							
	03-05											
	06-08	100.0	100.0	99,6	97.0	93,9	79.6	54,8	37.0	21.3	74.6	230
	09-11	99.8	99.8	99.7	97,8	87.0	65.3	42.5	27.7	17.4	69.4	593
	12-14	100.0	100.0	99,1	91.8	69.3	44.6	28.8	21.4	15.7	62.6	560
	15-17	100.0	100.0	98,9	88,3	70.5	48.9	28.0	20.9	15.4	62.8	454
	18-20	100.0	100.0	99,4	97.1	87.8	62.1	38,3	21.9	14.1	67.7	311
	21-23	100.0	100.0	100.0	98.6	92,8	75.6	45.9	32,5	16.7	71.7	209
τo	)TALS	100.0	100.0	99,5	95.1	83.6	62.7	39.7	26.9	16.8	68.1	235

## **RELATIVE HUMIDITY**

93744 STATION MARTIN MARIETTA AIRFIELD MD

70-79

PERIOD

ALL

HTHOM

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS (LST)		PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN											
MONTH		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO OF OBS		
JAN	ALL	100.0	99.9	99,0	93.0	78.6	58.5	38.1	22,5	10.6	65.7	2480		
FEB		100.0	99.7	97,7	88.1	68,9	48.6	31.5	20.7	11.6	62.3	2273		
MAR		100.0	99.9	95,2	81.0	60.8	43.6	30.1	20.3	12.2	59.9	2266		
APR		100.0	99.8	92,3	75.7	56.7	27.4	18.2	11.1	4.9	54.6	2321		
MAY		100.0	99.7	96,2	86.0	71.8	51.6	34,6	22,8	11.0	63.0	2299		
JUN		100.0	100.0	98.1	90.6	77.3	60.6	42.3	23.5	7.8	65.6	2310		
JUL		100.0	99.9	99,6	94.8	82.7	64.8	45,7	29.2	3.8	67.5	2231		
AUG		100.0	100.0	99,9	97.3	87.6	71.6	52+6	29.0	5.0	69.9	2858		
SEP		100.0	100.0	99,4	95,5	87.8	73.7	57,1	39.0	7.0	72.2	2708		
ncT		100.0	100.0	99,1	92.7	82,5	70.5	55,9	41.5	16.8	71.6	2779		
NOV		100.0	100.0	99,2	93.4	78.4	56.2	38,5	21.2	10.1	65.4	2514		
DEC		100.0	100.0	99,5	95.1	83.6	62.7	39,7	26.9	16.8	68.1	2357		
101	TALS	100.0	99.9	97,3	90.3	76.4	57.5	40.4	25.6	9.8	65.5	29396		

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART F

### PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

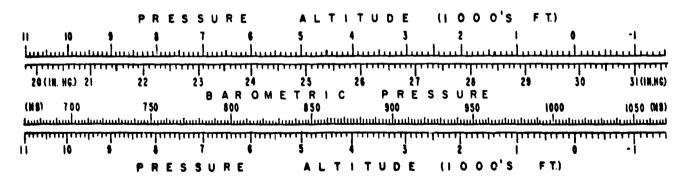
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

- 1. Station pressure is presented in the table in inches of mercury.
- 2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressurealtitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



#### **MEANS AND STANDARD DEVIATIONS**

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

93744

MARTIN MARIETTA AIRFIELD MD

70-79

STATION

STATION NAME

YEARS

IRS ILS T	i	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	ANNUAL
	MEAN										! '			
01	S D			, ,										
	TOTAL OBS										L			
	MEAN									[ 	30,260		i	30.26
04	S D	'			,				i ,	1	1		,	
	TOTAL OBS								, <del> </del>		1	L		
												05.00	0 - 0 / 0	70
	MEAN												30.063	
07	5 D		.264					1						. 2
	TOTAL OBS	115	110	115	119	212	207	208	245	234	225	97	97	198
	+	20 000	30 077	20 022	30 003	20 082	20 084	20 020	20 064	20 074	20 129	20 004	20 111	30.0
• .	MEAN S D		-										30.111	
10	i	.302									1 -		1 - 1	. 2
	TOTAL OBS	243	225	214	<u>20.6</u>	212	208	209	247	236	245	233	219	269
	MEAN	30-033	30.036	29.979	29.959	29.953	29.962	30-000	30.039	30-041	30-083	30-045	30.055	30.0
13	S D	301	-		249									2
••	TOTAL OBS	239		-										26.
	MEAN	30.024	37.010	29.948	27.924	29.926	29,935	29.974	30.007	30.015	30.059	30.035	30.043	29,9
16	S D	.296	.286	.261	.244	.167	.170	.135	.118	.163	.221	.244	.278	. 27
	TOTAL OBS	216	207	191	195	187	175	182	222	203	217	213	198	240
							20 01-	-0.00	22 432	20 005	00.000	20.010	20.045	20. 4
	MEAN												30.068	30.0
19	S D	.292	-	.236				.133						. 23
	TOTAL OBS	175	163	149	151	150	145	146	168	169	181	164	160	197
	MEAN	30.038	30.074	20-020	20.062	20.084	20 089	20-016	20.065	30.054	30 077	30.084	30.077	30.04
22	5 D	325						.122						.23
	TOTAL OBS													130
	+	142						34						
	MEAN	30.146	30.050	29.996	29,965	29.959	29,966	30.001	30.042	30.048	30.093	30.071	30.070	30.0
ALL HOURS	5 D	•307		1		_ '		.136						. 28
	TOTAL OBS	1131	1057								1224	1079		1302

USAFETAC FORM 0 89 5 (OLI)

## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FRUM HOURLY OBSERVATIONS

93744 MARTIN MARIETTA AIRFIELD MD 70-76

STATION STATION NAME YEARS

HRS (L S T	),	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN													· · · · · · · · · · · · · · · · · · ·
01	, <b>S</b> "				,	I						i		
	10141 065		<b></b>			<u> </u>			·			<del></del>		
	MEAN	<del> </del>		-	·	1			l			<del></del>		·····
04	S D		I			l .	ı			!			!	
	TOTAL OBS									1		1		
	•											†		
	MEAN							,					1019.9	1018.4
07	S D	1	-	-		5.568					• -		12.191	7,232
	TOTAL OBS	23	26	51	59	150	147	142	152	144	131	3	4	1032
<del></del>	MEAN	1021.3	1018.9	1017.0	1016.3	1015.7	1016.4	1017.1	1020.2	1021.3	1024.0	1020.4	1021.3	1019.1
13	\$ D												8.302	8.312
	TOTAL OBS					150		143		146				1752
	MEAN	1010 4	1017 7	1015 6	1214 0	1014 4	1018 4	1014 4	1010.4	1020 1	1027 3	1018 4	1019.6	1017.8
13	S D												3.111	8.154
	TOTAL OBS					147								1707
				·										
	MEAN												1019.2	1016.9
16	S D												8.524	8,108
	TOTAL OBS	123	125	129	135	125	115	116	149	113	124	121	105	1460
	MEAN	1020.3	1018.0	1016.6	1013.9	1 13.9	1014.8	1015.9	1017.2	1019.3	1022.5	1018.3	1020.4	1017.5
19	5 D												8.779	7.699
	TOTAL OBS	82		87	91									977
		1020 3	1010 4	1016 6	1012 7	1015 7	1019.0	1017 3	1619 8	1010 5	1018 0	3038.0	1021.2	1018.1
22	MEAN S D												9.778	8.394
7.6	TOTAL OBS												50	425
									1			· · · · · · · · · · · · · · · · · · ·		
ALL	MEAN												1020.2	1018.0
HOURS	S D	-									_		8.569	8,050
	TOTAL OBS	574	56.	627	630	676	<u>660</u>	6.9	674	544	664	533	471	7353

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